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Independent Learning Centre
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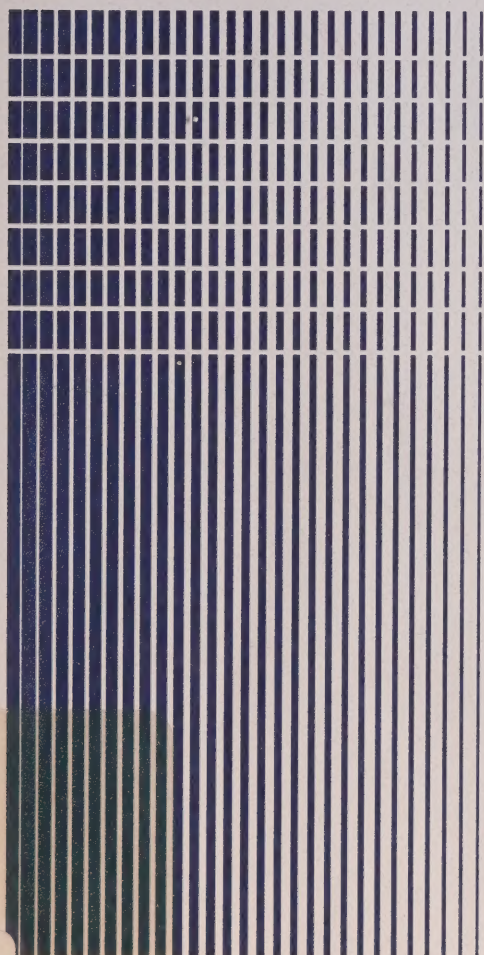
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Course Guide

1990-1991



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The Independent Learning Centre (ILC) is one of Canada's largest educational facilities. As part of the Ontario Ministry of Education, ILC provides a free home-study program for Ontario residents who wish to earn high school diploma credits, upgrade basic skills, or study for enjoyment.

ILC Course Guide 1990-91

Part I. General Information

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ILC Student Guide 1990-91

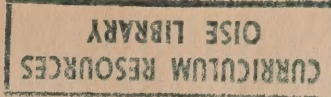
The following information is found in the ILC Student Guide:

- Community-based Services
- Sale of Learning Materials
- ILC Pamphlets
- Eligibility for Enrolment
 - Adults
 - Students Under Sixteen
 - Students Attending Day School
 - Residents Temporarily Living Outside Ontario
- Freedom of Information and Protection of Individual Privacy
- Information about Certificates, Tests, Student Records, and the Ontario Secondary School Diploma

Important

Read this guide before applying for a course from the Independent Learning Centre (ILC). The ILC staff are ready to help you; however, you are responsible for choosing your courses.

JAN 21 1991



For information about ILC, you are invited to phone, write, or visit

Independent Learning Centre
909 Yonge Street
Toronto, Ontario
M4W 3G2

Telephone numbers:
Toronto area: (416) 965-2657
Toll-free: 1-800-387-5512
FAX number: (416) 965-7644

or

Independent Learning Centre
2141 Lasalle Boulevard
Sudbury, Ontario
P3A 2A3

Telephone numbers:
Sudbury area: (705) 688-3045
Toll-free: 1-800-387-5512
FAX number: (416) 965-7644

Office hours are 8:30 a.m. to 5:00 p.m., Monday to Friday.

All services are offered in both official languages in Toronto and Sudbury.



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Part I

General Information

This image shows a full page of dot grid paper. The paper has a light beige or cream-colored background. Overlaid on this background is a precise grid of small, dark blue dots. The dots are arranged in straight horizontal and vertical rows, creating a series of small squares across the entire surface. There are no margins, text, or other markings on the page.This image shows a single sheet of off-white or cream-colored paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

Part 1

General Information

Independent Learning: Is It for You?

Some Facts About the ILC Service

Free courses

- If you are an Ontario resident, you can enrol in an ILC course free of charge.
- Lessons, textbooks, and most other supplies are sent to you on loan. You return them when you complete the course, or if you decide not to continue with it.
- For most courses, all you pay for is the postage to mail your assignments to your teacher.

Qualified teachers

- Your lesson assignments are marked by an experienced Ontario teacher. Your teacher gives you help and encouragement.

Information and advice

- You can get advice about courses and credits.
- You can get help in planning for your educational goals.
- You can phone, write to, or visit our office. The telephone numbers and addresses are on page 1 of this guide.

What Are the Advantages of Independent Learning?

- Learning by correspondence is between you and your teacher. It's private and confidential.
- You can study when and where you wish.
- You can start a course or finish it at any time of the year.
- You can work at your own pace.
- You can choose subjects that suit your career plans and your own needs and abilities.

- You can take credit courses for your Ontario Secondary School Diploma (OSSD).

Will Independent Study Suit Your Needs?

Here are the answers to some questions you may ask.

Why do people take ILC courses?

- to upgrade basic skills
- to earn an OSSD
- to prepare for college or university
- for interest or enjoyment
- for lots of other reasons

How does it work?

To complete a correspondence lesson you start by reading and studying the lesson on your own. Each lesson has a number of assignments. When you feel that you understand the lesson, you complete the assignments and mail your work to your teacher. Your teacher is assigned to you when you enrol.

Are there any deadlines?

It is up to you how often you send in assignments. You may have a lot of spare time or you may be very busy with a job and a family or other duties. In either case, you should try to send in assignments regularly. This helps you to remember the work in the lessons you have completed.

What does the teacher do?

Your teacher reads and grades your assignments for each lesson. He or she makes comments and suggestions and returns your assignments directly to you. When you get your assignments back, you should study all your teacher's comments. They are an important part of the lesson.

What happens if you don't understand part of a lesson?

You can call our telephone tutoring (teletutoring) service using our local or toll-free number on Monday and Thursday evenings. A teacher will be there to help you with your problem. Information about this service is sent to you when you enrol.

Some Questions to Think About

- You will probably need at least 120 hours to complete one twenty-lesson, full-credit course or 60 hours for a ten-lesson, half-credit course. Can you give that much time?
- If you can allow yourself the time (six to ten hours) to complete one lesson each week, it will take about six months to do a twenty-lesson course. Is this too long a time for you?
- When you complete one lesson, you mail the assignments to your teacher and start the next lesson. It takes time for you to receive the results of your work and the feedback from your teacher. Will this wait bother you?
- Studying is work and takes energy. Do you still have energy to use in studying after your other activities?
- Regular study habits help. Can you set aside a regular time for working on your own?
- Other ways of learning are available. Have you thought about day school, night school, or continuing education?
- Independent learning means working on your own. Are you ready to be an independent learner?

How to Choose Your First Course

The following information applies to credit courses. If you would like to improve your reading skills or if you know someone who would like to learn to read and write, you may want to look at the non-credit courses listed in the Adult Basic Education section on pages 48-51.

Levels of Difficulty

Secondary (high school) courses are offered at three levels of difficulty. When you choose an ILC course, you must decide on the level of difficulty you prefer. The three levels are

• Basic level

Did you finish Grade 8 or less in school? Were you enrolled in courses at the basic level in secondary school? If so, you may want to start with one of these courses. Basic level courses will give you upgrading in most subject areas, teach you practical skills, and widen your knowledge. They will prepare you for a job. They will also prepare you to train for a trade. Students who wish to continue their education beyond the OSSD should take general or advanced level courses.

• General level

These courses prepare you to enter the job market. They also give you the background you need to enter some programs at colleges of applied arts and technology, as well as many other types of education following secondary school. They do not, however, prepare you for university.

• Advanced level

These courses focus on the development of academic skills and prepare students for entry to university or to certain programs at a college of applied arts and technology. These are the most demanding courses offered.

What is the level of difficulty of the course you are thinking about? It's sometimes hard to move from a basic level course to a general level course or from a general level course to an advanced level course. You may need more background to enrol in a course at a higher level of difficulty. The ILC counselling staff will be glad to answer any questions you may have about this.

It's easy to find the level of difficulty you're looking for. See the course descriptions starting on page 10. Courses in each subject area are listed by level of difficulty.

How to Apply for Your First Course

The following information applies to most adults enrolling in credit courses.

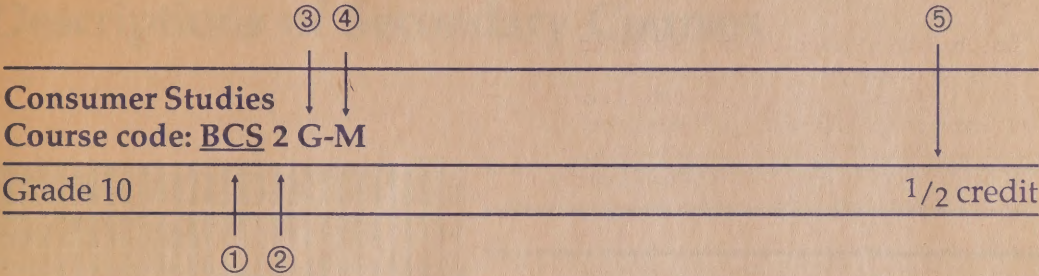
1. Be sure you have the correct application form. For most adults, it's Form C.
2. Answer carefully all the questions on the form. You may have to refer to this guide for help.
3. Be sure that you enter your first and second choice of courses in the correct place on Form C. We ask you to give a second choice in case we can't enrol you in your first choice. You will be enrolled in one course to start. When five lessons have been graded, you may phone to request a second course.
4. Be sure that you have filled in the correct course code. See "Course Codes and Credits", page 7.
5. Be sure to sign the form.
6. Mail or bring your application form to the Independent Learning Centre. The addresses are on page 1 of this guide.

If you were enrolled previously with ILC and wish to re-enrol, please call our office for information on how to proceed.

Course Codes and Credits

All schools use standard five-character codes and names to identify individual credit courses. The Independent Learning Centre uses a sixth character to identify the edition of the course.

An example of a course heading from our course description section will help you understand course codes and credit value.



- ① The first three characters of the course code are letters. They refer to the name of the course.
- ② The fourth character is a number and refers to the grade of the course.
 - 1 - Grade 9
 - 2 - Grade 10
 - 3 - Grade 11
 - 4 - Grade 12
 - 0 - Ontario Academic Course (OAC)*BCS2G-M is a Grade 10 course.
- ③ The fifth character is a letter and refers to the level of difficulty.
 - B - basic level
 - G - general level
 - A - advanced levelBCS2G-M is a general level course.

- ④ The sixth character is a letter and refers to the edition of the course. BCS2G-M is the first half of the Grade 10 Consumer Studies program. Its follow-up is BCS2G-P.
- ⑤ Each ILC credit course is worth one credit, one-half credit, or one-quarter credit. Each time you complete a course successfully you earn one credit, one-half credit, or one-quarter credit.

A course worth one credit has twenty lessons. A course worth one-half credit has ten lessons. A course worth one-quarter credit has five lessons. BCS2G-M is a ten-lesson course worth one-half credit.

Information on how credits may be added up to earn the OSSD is in the ILC Student Guide.

Mature students may be granted equivalent credits towards the Ontario Secondary School Diploma. For more information see the ILC Student Guide.

*For a definition of OAC, see the ILC Student Guide.

Descriptions of Secondary Courses

| | |
|--|----|
| Arts | 11 |
| Business Studies | 13 |
| Computer Studies | 18 |
| English | 19 |
| Family Studies | 25 |
| French | 26 |
| Geography | 29 |
| Guidance | 30 |
| History and Contemporary Studies | 31 |
| Mathematics | 35 |
| Personal Life Management | 39 |
| Science | 41 |
| Technological Studies | 44 |

Part II

Descriptions of Secondary Courses

Statement regarding guidelines:

All courses offered by the Independent Learning Centre have been developed according to the requirements of the Ontario Ministry of Education.

Arts

General Level Courses

General level courses in the arts are designed for students who wish one or more of the following:

- to become aware of fundamental concepts in art design and of basic techniques and materials
- to develop self-expression through creative art experience
- to acquire skills in varying media
- to begin preparation for a career in applied arts
- to pursue a lifelong interest

Practical Art

Visual Arts – Drawing and Painting (Beginning in Art)

Course code: AVF2G-B

| | |
|----------|----------|
| Grade 10 | 1 credit |
|----------|----------|

By doing some of the tasks artists do, you should come to an understanding of what art is. That's the idea behind this course, designed for the person who is interested in art and wants to develop more skill. It teaches the basic principles of art by means of practical projects. You will learn basic drawing and painting skills through "hands-on" use of the artist's tools and materials.

Students submit practical projects for teacher evaluation.

Recommended background: none

Text: none

Equipment: You are required to supply your own art materials. Instructions regarding the purchase of a complete art kit (at a cost of \$19.50) will be included with the first package of lesson materials.

Visual Arts – An Introduction to Information Design

Course code: AVD4G-M

| | |
|----------|----------|
| Grade 12 | ½ credit |
|----------|----------|

This course will be available by March 1991.

What do ads, buttons, audio cassette boxes, and greeting cards all have in common? They present information. Their design involves choices concerning material, shape, colour, typefaces, and visuals. Learn some of the basics of information design as you work on practical projects.

Equipment: You are required to supply your own art materials. Instructions regarding the purchase of a complete art kit (at a cost of \$19.00) will be included with the first package of lesson materials.

Recommended background: none

Text: none

Visual Arts – Drawing and Painting

Course code: AVF4G-Q

| | |
|----------|----------|
| Grade 12 | ½ credit |
|----------|----------|

The emphasis in this course is on the practice of drawing and painting by means of practical exercises involving the use of pencil and water colour.

The history of art, particularly as it relates to the practical exercises, is introduced in each lesson

and helps you understand and complete your assignments.

Recommended background: a course in practical art, preferably AVF2G-B

Text: Mittler, Gene A. *Art in Focus*.

Equipment: You are required to supply your own art materials. Instructions regarding the purchase of a complete art kit (at a cost of \$19.50) will be included with the first package of lesson materials.

Art Appreciation and History

Visual Arts – Aesthetics and Appreciation
(Awareness in Action)

Course code: AVT3G-A

Grade 11 1 credit

This course will help you become more aware of the world in which you live and of your response to it. In carrying out the practical projects that form the core of the course, you will find yourself looking at familiar objects in your environment from unexpected angles and discovering new relationships among the things you observe and experience. Ultimately, these enriched perceptions will allow you to learn more about yourself and the world around you.

Recommended background: Grade 10 English and an interest in art

Text: none

Advanced Level Courses

Advanced level courses in the arts are designed for students who wish one or more of the following:

- to proceed to Ontario Academic Courses and/or university courses in the arts
- to begin acquiring knowledge and developing appropriate skills in preparation for a career in applied arts
- to develop a foundation for self-expression through the challenge of problem-solving experiences in both theory and practice
- to pursue a lifelong interest

Practical Art

Visual Arts – Drawing and Painting
(Style in Art)

Course code: AVF4A-P

Grade 12 1/2 credit

This course consists of ten lessons concerned with style in art. Through increased awareness of form, you develop a distinctive style of expression. The course examines ten contrasting styles of modern painting, including fauvism, impressionism, primitivism, and abstraction.

Practical projects involve the use of water colour, ink, and pastels.

Recommended background: a course in practical art, preferably AVF2G-B

Text: none

Equipment: You are required to supply your own art materials. Instructions regarding the purchase of a complete art kit (at a cost of \$19.50) will be included with the first package of lesson materials.

Art Appreciation and History

Visual Arts – Art History
(Great European Art)

Course code: AVT3A-P

Grade 11 1/2 credit

This course traces the history of European art from the beginning of the Renaissance through the baroque and rococo periods to the eighteenth century. Great masters whose works you will study include Botticelli, Michelangelo, Dürer, Rubens, Rembrandt, Poussin, and Sir Christopher Wren. The course reviews the principles of composition and the elements of design.

Recommended background: none

Text: none

Equipment: A portfolio of reproductions is sent to you on loan.

Business Studies

Business Studies is composed of four separate programs: the general business program, the secretarial program, the information processing/integrated office systems program, and the accounting program. You will find a description of each of these programs on pages 13, 15, 16, and 17, respectively.

Two additional business-related courses, Law and Entrepreneurship, are offered under Personal Life Management. They are described on pages 39 - 40.

Within each program area, the courses may be offered at the basic, general, or advanced level. A description of these levels follows.

Basic Level Courses

Basic level courses in business studies are designed for students who wish one or both of the following:

- to gain a better understanding of how the business world affects their lives and how they can take advantage of the services it offers
- to go directly into the work force upon graduation

General Level Courses

General level courses are designed for students who wish one or more of the following:

- to enter the workplace upon graduation
- to further their studies in a community college or other postsecondary program
- to acquire and learn to apply business-related skills

Advanced Level Courses

Advanced level courses are designed for students who wish one or both of the following:

- to take courses that emphasize theory rather than the application of theory and cover the material in more depth than general or basic level courses
- to pursue postsecondary education at a university or in some programs at colleges of applied arts and technology

General Business Program

General business courses are orientation courses, especially designed for students who have no background in business.

Basic Level Courses

Introduction to Business

Introduction to Business
Course code: BIB1B-M

Grade 9

½ credit

Did you know that as a consumer you have an influence on the business world? Did you know that as a worker you also have an impact on the business world? This course will show you how you can help to shape the marketplace through the things you purchase or do not purchase and through the jobs you do in the business world. As well, it will make you aware of the role of government in protecting people from unfair business practices.

After completing this course, you may enrol in BIB1B-P to complete a full credit in Introduction to Business.

Recommended background: none

Text: none

Introduction to Business**Course code: BIB1B-P****Grade 9****½ credit**

Would you like to know what kinds of jobs are available in the business world? Would you like to learn how to plan for a career in business? This course is a continuation of BIB1B-M. You will find out about a variety of different job opportunities in the business world, such as law, recordkeeping, office services, merchandising, and data processing, and you will have an opportunity to practise some basic tasks done in each of these jobs. You will also learn about career planning and about the many services offered to both business and individuals by financial institutions such as banks and trust companies.

Recommended background: BIB1B-M or the equivalent

Text: none

Merchandising

Merchandising**Course code: BMM3B-M****Grade 11****½ credit**

This course will introduce you to the exciting world of merchandising. It will give you some basic skills to help you prepare for work in a retail store. Topics include

- how to operate machines such as cash registers
- how to handle cash
- how goods and services get to the consumer
- what types of retail stores there are
- what an employer will expect of an employee (for example, courtesy, punctuality, good work habits)
- what jobs are available in this growing field
- how to develop your job-search skills and interview techniques

After completing this course, you may enrol in BMM3B-P to complete a full credit in merchandising.

Recommended background: none

Text: none

Merchandising**Course code: BMM3B-P****Grade 11****½ credit**

This course will be available by December 1990.

This course is a continuation of Merchandising BMM3B-M. It will further develop your skills to help you prepare for work in a retail store. Topics include

- successful selling techniques
- credit card sales
- accurate recordkeeping
- the effects of supply and demand on sales
- controls on inventory to reduce shoplifting
- types of advertising used by most retailers and how they select the media to use
- characteristics of good displays

Recommended background: BMM3B-M or the equivalent

Text: none

General Level Courses

Consumer Studies

Consumer Studies**Course code: BCS2G-M****Grade 10****½ credit**

We are all consumers. With this in mind, this half-credit, ten-lesson course is designed to help you understand how the marketplace works, thus making you a wise consumer. It will also prepare you for study in more advanced business courses.

Topics in this course include an introduction to marketing; developing your shopping skills; obtaining credit and using it wisely; and managing your transportation dollar.

After you have completed this course, you may enrol in a second, half-credit course in consumer studies, BCS2G-P.

Recommended background: none

Text: none

Consumer Studies
Course code: BCS2G-P

Grade 10 ½ credit

This course is a continuation of Consumer Studies BCS2G-M. It is designed to further develop your skills as a consumer. Topics include finding housing accommodation to suit your needs; budgeting; banking; investing; recordkeeping; buying insurance; and consumer protection legislation.

Recommended background: BCS2G-M or the equivalent

Text: none

Law

Law
Course code: BLW4G-T

Grade 12 ½ credit

This course will be available by December 1990.

Every aspect of life in Canada is regulated by some law. It is important that you understand your rights and obligations under the law. This course will introduce the lawmakers and the law-making process under the Charter of Rights and Freedoms. You will gain an understanding of civil law, criminal law, trial procedures, classifications of offences, and the role of the police in enforcing our laws.

Recommended background: none

Text: none

Advanced Level Courses

Introduction to Business

Introduction to Business
Course code: BIB1A-M

Grade 9 ½ credit

Would you like an opportunity to learn and practise the skills used in the business world? Would you like to increase your understanding of how business, government, and individuals help to shape the economy through their involvement in the business community?

Topics in this course include the Canadian marketplace; development of personal and business-related skills through an exploration of business practices; the stock market; employment opportunities; and career planning.

Recommended background: none

Text: none

Secretarial Program

The secretarial program is designed to prepare students for entry into the workplace in the secretarial/clerical area. The program consists of courses in keyboarding/typing. These courses are intended to teach touch typing and the formatting of business documents and to build students' keyboarding speed and accuracy.

General Level Courses

Keyboarding/Typing

As computers continue to affect both our personal and business lives, the need for keyboarding skills becomes more and more important. By introducing students to keyboarding skills, these courses will enable them to use the new computer technology more effectively in future business and personal endeavours. They will also benefit students who use typewriters in the workplace or for school work.

Keyboarding I – Introduction
(Typewriting)
Course code: BKI1G-M

Grade 9 ½ credit

This introductory course will teach you to type by the touch system. You will learn the keyboard, including numbers and special characters, and techniques for setting up your assignments attractively on the page. This course will be of interest to you if you wish to learn the keyboard for personal use or if you will be working with computers. It also provides you with a basic foundation for all future keyboarding courses. Topics include keyboarding; word division; error correction; and horizontal and vertical centring.

After completing this course, you may enrol in BK11G-P to complete a full credit.

Recommended background: none

Text: none

Equipment: You must have access to a typewriter, a word processor with a printer, or a computer with word-processing capabilities and a printer.

Keyboarding I – Introduction (Typewriting)

Course code: BK11G-P

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| Grade 9 | ½ credit |
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This course is a continuation of BK11G-M and will further develop your keyboarding and communication skills. It will be of interest to you if you are preparing for a secretarial/word-processing career, if you wish to learn keyboarding skills for personal use, or if you would like to use a word-processing program on a microcomputer more effectively.

Topics include personal letters; careers in keyboarding; composition at the keyboard; and communication skills. By the end of this course you should be typing at thirty words per minute.

Recommended background: BK11G-M

Text: none

Equipment: You must have access to a typewriter, a word processor with a printer, or a computer with word-processing capabilities and a printer.

Keyboarding II – Business Applications (Typewriting)

Course code: BKA2G-A

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| Grade 10 | 1 credit |
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This course will help you develop practical business-related keying skills. Speed and accuracy will be stressed through the use of timed writings. You will learn how to produce materials that meet the requirements of the business community in both speed and quality.

Topics include centring; tabulating; duplicating; typing letters, manuscripts, and forms; and proof-reading.

Prerequisite: BK11G-M and BK11G-P or an equivalent introductory typing course

Text: Attridge, Catherine M. *Applying Typing Skills*.

Equipment: You must have access to a typewriter, a word processor with a printer, or a computer with word-processing capabilities and a printer.

Advanced Level Courses

Notemaking

Notemaking is an important skill for everyone. It includes identifying key points in an oral communication, recording them with the use of a personal shorthand system, and organizing them for reference at a later date.

Notemaking is designed to be useful to students and to other working people.

Notemaking

Course code: BSN3A-M

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| Grade 11 | ½ credit |
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This half-credit course will teach you the Forkner personal shorthand system. You will take dictation at speeds of up to ninety words per minute and begin to apply the system to the notemaking process.

Recommended background: Grade 10 English

Text: Forkner, H.; Brown, F.; Johnson, B.; and Cunningham, M. *Forkner Shorthand*.

Equipment: You must have access to a cassette tape player.

Accounting Program

The accounting program will provide you with a knowledge of fundamental accounting principles, accepted accounting terminology, and the procedures generally used for maintaining accurate financial records. Accounting can help you maintain personal records, or financial records if you are self-employed. It can also lead to a career in an accounting-related field or in one of the accounting professions.

General Level Courses

Accounting – Introduction Course code: BAI3G-C

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| Grade 11 | 1 credit |
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This course will give you a basic understanding of accounting principles and concepts related to both business and personal use. Topics include the accounting cycle for a service business; control procedures in a business; graphs; combination journals; an introduction to payroll; and careers in accounting.

Recommended background: Grade 10 mathematics

Text: none

Accounting – Applications (Applied Accounting) Course code: BAA4G-M

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| Grade 12 | ½ credit |
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In your introductory accounting course, you learned the principles and concepts that are part of the accounting cycle. This course concentrates on the practical use of these principles and concepts in a realistic business setting. Topics include a brief review of the accounting cycle; accounts receivable and sales systems; and personal income tax.

After taking this course you may complete a full credit in applied accounting by taking BAA4G-P.

Recommended background: BAI3G-C or the equivalent

Text: D'Amico, V., and Wilson, R. *Applied Accounting*. 2nd ed.

Accounting – Applications (Applied Accounting) Course code: BAA4G-P

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| Grade 12 | ½ credit |
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This course is a continuation of Accounting – Applications BAA4G-M. It will help you further develop your understanding of accounting by letting you apply the concepts and principles of accounting to various realistic business situations. Topics include payroll systems; an introduction to cost accounting; and inventory control.

Recommended background: BAA4G-M or the equivalent

Text: D'Amico, V., and Wilson, R. *Applied Accounting*. 2nd ed.

Advanced Level Courses

Accounting Course code: BAC3A-A

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| Grade 11 | 1 credit |
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This is an introductory course in accounting theory. You will learn basic concepts and theories of accounting and use accounting applications to reinforce your understanding of these theoretical principles.

This course concentrates on the accounting practices of a small business and will help you gain an understanding of business in general. Topics include the accounting cycle; ledger systems; cash control and banking; analysis of financial statements and journals; and career awareness.

This course is a prerequisite for the Accounting OAC course, BAC0A-A.

Recommended background: none

Text: none

Ontario Academic Courses

Accounting Course code: BAC0A-A

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| OAC | 1 credit |
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While it will provide a good theoretical background for students who intend to enter the work force after high school, OAC Accounting is primarily intended for students who wish to pursue their studies at the university level.

After a brief review of fundamental accounting concepts and procedures, this course will provide you with an in-depth study of generally accepted accounting principles and accounting for business. It will show you how to analyse financial data. The use of accounting as a decision-making tool will be emphasized.

Prerequisite: BAC3A-A

Text: Meigs, W.; Meigs, R.; and Lam, W. *Accounting: The Basis for Business Decisions*. 4th Canadian ed.

Computer Studies

We are now living in an information society. High technology has had, and will continue to have, a profound effect on many areas of our lives. It is important to understand the new forms of technology and the changes they have brought, so that we can use them to our advantage and be comfortable with them. The computer studies courses provide this opportunity.

General Level Courses

Introduction to Computer Studies (How They Work)

Course code: DIC2G-M

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| Grade 10 | ½ credit |
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Computers are all around us. This half-credit, ten-lesson course deals with the computer: what it is, how it works, and what it can and cannot do. Topics include the parts of a computer; how a computer handles information; and an introduction to computer programming.

After completing this course, you may wish to enrol in Introduction to Computer Studies (Issues and Applications) DIC2G-P.

Note: This course does not require that you have access to a computer. If you do have access to a computer, you may wish to take DIC2A-A instead of this course.

Recommended background: none

Text: none

Introduction to Computer Studies (Issues and Applications)

Course code: DIC2G-P

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| Grade 10 | ½ credit |
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This ten-lesson course is a continuation of Introduction to Computer Studies (How They Work) DIC2G-M. It deals with the use of computers today and their probable use in the future. This course also investigates some of the problems technology has created. Topics include: how computers are used in areas such as education, medicine,

and business; computer crime; and computer-related careers.

Note: This course does not require access to a computer.

Recommended background: DIC2G-M or the equivalent

Text: none

Advanced Level Courses

Introduction to Computer Studies (Computer Awareness)

Course code: DIC2A-A

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| Grade 10 | 1 credit |
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This course is a general introduction to the use of computers. You will learn about computer systems and components and simple programming instructions.

Topics include computer system components; the computer in action; programming; computer applications; and the social impact of the new technology.

One-third of the course involves the use of a computer.

Recommended background: none

Text: none

Equipment: You must have access to a microcomputer that uses the BASIC computer language.

English

Basic Level Courses

Basic level courses in English are designed for students who wish one or more of the following:

- to improve their reading and writing skills
- to improve their use of English in everyday life, including English in the workplace
- to review their English skills before taking a Grade 9 general or advanced level English course

English

Course code: ENG1B-D

Grade 9

1 credit

Do you want to improve your use of English in everyday situations? In this course you can practise and improve your personal writing and reading skills while writing letters, filling out forms, and reading newspaper articles. An audiotape comes with each lesson. The tapes will help you to understand the lessons, although you do not need to use them.

You will find this course helpful

- if you have studied English as a second language
- if you did not complete all of your elementary schooling

Recommended background: none

Text: *The Winston Canadian Dictionary for Schools.*

Equipment: You should have access to a cassette tape player.

Note: If you want a practical approach to improving your reading and writing skills, you will find the following two courses helpful. Each course is worth one-half credit. To earn a full credit in Grade 10 basic English, you should complete ENG2B-M and ENG2B-P. Enrol first in ENG2B-M. When you have completed the first five lessons, you may enrol (by telephone or by mail) in ENG2B-P.

English

Course code: ENG2B-M

Grade 10

½ credit

Here is a course with a practical approach to studying English. It will help you to improve your reading and writing skills. Topics include spelling and word usage; sentence structure; paragraph writing; descriptive language; and Canadian short stories.

An audiotape comes with each lesson, but it is possible to do the course without using the tapes. If, however, English is a second language for you, you will find the audiotapes especially helpful.

Recommended background: ENG1B-D or the equivalent

Text: *The Winston Canadian Dictionary for Schools.*

Equipment: You should have access to a cassette tape player.

English

Course code: ENG2B-P

Grade 10

½ credit

If you wish to continue to improve the skills you learned in ENG2B-M, then try this course. It is the next step. Topics include spelling, word usage, and sentence structure; paragraphs and compositions; personal and business correspondence; Canadian short stories; and Canadian poetry.

An audiotape to help you understand the material comes with each lesson. Although you do not need to use the tapes, they will help you improve your listening and speaking skills.

Recommended background: ENG2B-M or the equivalent

Text: *The Winston Canadian Dictionary for Schools.*

Equipment: You should have access to a cassette tape player.

English
Course code: ENG3B-M

Grade 11 ½ credit

In this course you will have an opportunity to read and respond to poetry, short stories, plays, excerpts from novels, and items from the media. You will also improve your writing and editing skills as you write paragraphs, letters, reports, and short compositions. There is an audiotape for each lesson.

The emphasis in this course is on making language work for you. You will be able to develop and improve your reading and writing skills by working on your own projects as well as the material in the lessons.

Recommended background: ENG2B-M and ENG2B-P or the equivalent

Text: none

Equipment: You must have access to a cassette tape player.

General Level Courses

General level courses in English are designed for students who wish one or more of the following:

- to acquire the English skills necessary for enrolment in a college of applied arts and technology or for employment
- to develop their appreciation of literature
- to develop their own writing and communication skills

English
Course code: ENG1G-M

Grade 9 ½ credit

Are you interested in continuing your study of English? This ten-lesson course is an introduction to English at the general level of difficulty. You will have an opportunity to hear, read, and appreciate a variety of selections from English literature, including short stories, poetry, plays, and essays. You will also have an opportunity to improve your own writing skills.

The audiotapes that accompany this course will assist you in improving your listening and speaking skills.

Recommended background: successful completion of elementary school English or the equivalent

Text: *The Winston Canadian Dictionary for Schools.*

Equipment: You must have access to a cassette tape player.

English
Course code: ENG1G-P

Grade 9 ½ credit

This ten-lesson course is a continuation of ENG1G-M. In it, you will continue to study English literature, including short stories, poetry, plays, and essays, and you will improve your writing skills. To assist you in your writing, this course covers editing and revising skills, English usage, and suggestions for improving your spelling.

The audiotapes that accompany this course will help you improve your listening and speaking skills.

Recommended background: ENG1G-M or the equivalent

Text: *The Winston Canadian Dictionary for Schools.*

Equipment: You must have access to a cassette tape player.

English
Course code: ENG2G-B

Grade 10 1 credit

If you wish to continue your study of English and you are ready to read and appreciate a novel and an autobiography, you will find this course interesting. In addition to the novel and autobiography, you will have an opportunity to read other types of Canadian literature and to develop your own writing skills. This course also provides information on the various forms of correspondence and on correct English usage and grammar.

Recommended background: Grade 9 English

Texts: Carr, Emily. *Klee Wyck*.
Mitchell, W. O. *Who Has Seen the Wind*.
The Winston Canadian Dictionary for Schools.

English**Course code: EWR2G-M****Grade 10****½ credit**

In this writing course you will have an opportunity to write reports, scripts, and articles for newspapers or magazines, as well as poetry and short stories. To assist you in your writing, you will learn a variety of techniques for each stage of the writing process.

Recommended background: ENG1G-M and ENG1G-P or the equivalent

Text: none

English**Course code: ENG3G-A****Grade 11****1 credit**

Literature, largely Canadian, is studied in this course as the basis for understanding the creative process and for enjoying good writing. Short stories, poetry, plays, and a novel are included. Skills of editing and revising are taught throughout the course.

This course will also help you develop an accurate and clear writing style for everyday needs such as letters, reports, and summaries. You should gain confidence in expressing your views.

Recommended background: ENG2G-B or ENG2A-B or the equivalent

Texts: Brown, Cassie. *Death on the Ice*.
McNeil, James A. *Tigers of the Snow*.

English Writing**Course code: EWR3G-M****Grade 11****½ credit**

Would you like to become a reporter? Would you like to learn how to write with simplicity, clarity, and directness?

If so, this course, with its emphasis on the development of a concise and effective reporting style, should appeal to you. It's intended to help you write for any kind of news publication and to introduce you to the basic techniques of journalism. Topics include straight reporting; interviewing techniques; and preparing speeches, meeting reports, obituaries, and personality profiles.

Recommended background: ENG2G-B or ENG2A-B or the equivalent

Text: none

English**Course code: ENG4G-M****Grade 12****½ credit**

This ten-lesson course provides you with an opportunity to develop and improve your writing skills; to read and respond to a variety of materials, including short stories, poetry, and modern plays; and to develop your research and organizational skills through an independent study project.

An audiotape accompanies this course.

Recommended background: ENG3G-A or the equivalent

Text: none

Equipment: You should have access to a cassette tape player.

English**Course code: ENG4G-P****Grade 12****½ credit**

This ten-lesson course is a continuation of ENG4G-M. In it you will continue to develop your writing skills and improve your ability to conduct and evaluate your own learning projects. You will have an opportunity to read and respond to a variety of materials, including two novels.

Recommended background: ENG4G-M or the equivalent

Text: Hemingway, Ernest. *The Old Man and the Sea*.

Advanced Level Courses

Advanced level courses in English are designed for students who wish one or both of the following:

- to prepare for entry to university and to certain programs at colleges of applied arts and technology
- to expand their knowledge and appreciation of a variety of literary genres

Students who enrol in advanced level English courses should have well-developed reading and writing skills.

English

Course code: ENG1A-M

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| Grade 9 | 1/2 credit |
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If you enjoy reading and writing, this "foundation" course will give you the necessary groundwork for advanced level courses in the English program. It has two purposes: to increase your enjoyment and appreciation of good writers and speakers and to help you improve your ability to write and speak effectively. As you read and respond to a wide range of good literature, including short stories, poems, and essays, you will also be developing your writing skills through revising, editing, and polishing the articles that you write.

Recommended background: successful completion of elementary school English or the equivalent

Text: none

Equipment: You should have access to a cassette tape player.

English

Course code: ENG1A-P

| | |
|---------|------------|
| Grade 9 | 1/2 credit |
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This ten-lesson course is a continuation of ENG1A-M. In it you will develop your knowledge and appreciation of literature, including short stories, plays, and novels. You will also continue to improve your writing skills and your ability to work independently.

Recommended background: ENG1A-M or the equivalent

Text: Doyle, Conan. *The Hound of the Baskervilles*.

Equipment: You should have access to a cassette tape player.

English

Course code: ENG2A-B

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| Grade 10 | 1 credit |
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Literary appreciation and self-expression are the cornerstones of this advanced course.

English ENG2A-B will enrich your experience of English through reading and writing activities designed to help you express your own individuality. The keys are the "three R's" — reading, writing, revising. The reading in the course includes short stories, essays, poetry, drama, and novels.

Recommended background: ENG1A-M and ENG1A-P or the equivalent

Texts: Roy, Gabrielle. *Windflower*.
Wyndham, John. *The Chrysalids*.

English

Course code: ENG3A-M

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| Grade 11 | 1/2 credit |
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This ten-lesson, half-credit course is designed for students who want to prepare for the English OACs. You will read short stories, a novel, poetry, and plays in order to practise your reading comprehension skills, observe various literary techniques in action, and respond to reading on a personal level. In the writing component of the course, you will have an opportunity to write frequently in a variety of forms and to polish your written work.

Recommended background: Grade 10 advanced level English

Text: Lee, Harper. *To Kill a Mockingbird*.

English

Course code: ENG3A-P

| | |
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| Grade 11 | 1/2 credit |
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This course will be available by March 1991.

This ten-lesson, half-credit course is a continuation of ENG3A-M.

In it you will read and respond on a personal level to a variety of literature, including a major play. You will expand your appreciation of literary techniques as you continue to develop your writing, research, and organizational skills.

Recommended background: ENG3A-M or the equivalent

Text: Shakespeare, William. *Romeo and Juliet*.

English
Course code: ENG4A-B

Grade 12 1 credit

This course explores a wide variety of literary genres (novels, poetry, essays, short stories, plays) and invites students to examine some of the great literary themes. The language component stresses the improvement and expansion of rhetorical skills. If you need assistance with your writing, you will be helped on an individual basis using the language text *Mastering Effective English*. You will practise a wide variety of writing, some of which will be revised, edited, polished, and kept in a "writing folder" as a cumulative record of your progress.

This course will be useful to you if you have highly developed English skills and are planning to take an Ontario Academic Course in English.

Recommended background: Grade 11 advanced level English

Texts: Larock, M. H.; Tressler, J. C.; and Lewis, C. E. *Mastering Effective English*. 4th ed.
Steinbeck, John. *The Pearl*.
Lawrence, D. H. *Sons and Lovers*.
or MacLennan, Hugh. *Two Solitudes*.
Shakespeare, William. *Macbeth*.
or Miller, Arthur. *Death of a Salesman*.

English Literature
Course code: ELT4A-M

Grade 12 ½ credit

Science fiction can provide thrilling entertainment and at the same time explore present-day social concerns and attitudes. In this course, you will sample the shorter fiction of such masters of the genre as Arthur C. Clarke, Ray Bradbury, Isaac Asimov, and H. G. Wells. You will examine the themes and ideas of science fiction and, at the same time, take a critical look at the art of the short-story writer.

Topics include interplanetary travel; visits from outer space; time travel; life on other planets; robots and mechanical brains; eugenics and personality control; and the world of tomorrow.

Recommended background: ENG3G or ENG3A or the equivalent

Text: none

English Writing
Course code: EWR4A-M

Grade 12 ½ credit

This course focuses on your writing. Its aim is to make you critical of your own writing and to stimulate you to try to write well, the premise being that good writing is never easy.

Model passages and assignments in the lessons provide examples of techniques used in writing narration, description, exposition, poetry, and short stories, as well as in writing for newspapers, the stage, or the screen. Each lesson also gives you an opportunity for undirected personal expression.

Recommended background: ENG3G or ENG3A or the equivalent

Text: Strunk, William, Jr., and White, E. B. *Elements of Style*. 3rd ed.

Ontario Academic Courses

The Ontario Academic Courses are designed primarily for students who are planning to attend university. To take an OAC English course, a student must have at least one Senior English credit at the advanced level.

In English there are three OACs:

OAC I: Language and Literature
OAC II: The Writer's Craft
OAC III: Studies in Literature

Students may take one, two, or all three of these courses, depending on their postsecondary plans. However, students who are planning to attend university and wish to take only one OAC in English must take OAC I: Language and Literature.

In each OAC, evaluation is proportional, as follows:

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|-----------------------|-----|
| – written examination | 30% |
| – writing folder | 30% |
| – independent study | 20% |
| – lesson work | 20% |

In order to receive credit for an OAC, you must pass the final examination.

Language and Literature
Course code: ENG0A-A

OAC 1 credit

This course, which is designed to prepare you for university study, contains equal components of language and literature. The language component focuses on the improvement of your language skills and on the examination of good usage, structure, and style as they relate to the purpose and audience of a piece of writing. The literature component includes essays chosen both for their literary merit and as models for developing your thinking and language skills. You will also study a balanced selection of poems, prose fiction, and plays, including acknowledged classics.

Prerequisite: at least one advanced level Senior English course

Texts: Laurence, Margaret. *The Stone Angel*.
Shakespeare, William. *Hamlet*. Falcon ed.
Shaw, H. *The McGraw-Hill Handbook of English*. 4th Canadian ed.
Stoppard, Tom. *Rosencrantz and Guildenstern Are Dead*.

The Writer's Craft
Course code: EWC0A-A

OAC 1 credit

The Writer's Craft is not a creative writing course. However, you will find this course valuable if you are interested in writing and are planning future study in an area that has a strong writing component to it. During the course you will practise writing in different modes and styles for various purposes and audiences. In the language study component you will concentrate on improving your writing skills and you will examine the varieties of good usage, structure, and style as they are used in different kinds (academic, business, creative) and genres (essays, speeches, drama, poetry, short stories) of writing. The literature component includes many short literary selections chosen as appropriate samples of the writer's craft and articles about writing by writers.

This course may be taken concurrently with ENG0A-A or subsequent to it.

Prerequisite: at least one advanced level Senior English course

Text: Shaw, H. *The McGraw-Hill Handbook of English*. 4th Canadian ed.

Studies in Literature
Course code: ELI0A-A

OAC 1 credit

This course is an in-depth study of literature. It will be of value if you have a special interest in literature and plan to continue your studies in the humanities area. The language study component is designed to improve your writing skills, examine the techniques of good usage, structure, and style, and explore the craft of language in the literary selections studied. The literature component contains a balanced selection of prose, poetry, and drama from various literary periods and is organized around certain archetypal patterns and themes so that you may become aware of the continuity and structural framework of literature.

You may take this course concurrently with ENG0A-A, or with EWC0A-A if you have already taken ENG0A-A.

Prerequisite: at least one advanced level Senior English course

Texts: Conrad, Joseph. *Heart of Darkness*.
Fitzgerald, F. Scott. *The Great Gatsby*.
Shakespeare, William. *The Tempest*. Swan ed.
Shaw, H. *The McGraw-Hill Handbook of English*. 4th Canadian ed.

Family Studies

General Level Courses

General level courses in family studies are designed for students who wish one or both of the following:

- to develop a wide range of skills that are useful in everyday life
- to understand the individual in relationship to his or her family, friends, and community

Family Studies: Parenting **Course code: NFB3G-M**

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| Grade 11 | 1/2 credit |
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This course will be available by March 1991.

The focus of this ten-lesson course is on the importance of the individual and the family in today's society. You will examine your views of the family and gain a better understanding of such topics as preparing for parenting, becoming an effective parent, and the changing family forms in today's complex society. Parenting NFB3G-M will also help you to be a more constructive decision-maker in a family setting.

People of all ages will find this course useful.

Recommended background: none

Text: none

French

Advanced Level Courses

Series One

The four Grade 9 French courses listed below are the beginning of a new series. French FSF1A-M and FSF1A-P, which together form one Grade 9 credit, are designed to follow a background of elementary school French studied in Ontario. Students who do not have such a background should consider the introductory courses French FSI1A-M and FSI1A-P, which also provide a Grade 9 credit. Upon completion of French FSI1A-P, students would begin the secondary school core French program with French FSF1A-M.

French

Course code: FSI1A-M

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| Grade 9 (Beginners' French) | ½ credit |
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You should enrol in this course if you have studied no elementary school French. French FSI1A-M is designed to introduce you to the skills of understanding, speaking, reading, and writing everyday French.

Recommended background: This course can be attempted by students with no background in formal French studies.

Text: none

Equipment: You must have access to a cassette tape player/recorder.

French

Course code: FSI1A-P

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|-----------------------------|----------|
| Grade 9 (Beginners' French) | ½ credit |
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This course is a continuation of French FSI1A-M and completes the introduction of presecondary school French studies. It follows the same format as French FSI1A-M.

A student who has completed some elementary school French in Ontario or who has done some formal French studies may choose to start French

at this point in the introductory French program instead of beginning with French FSI1A-M.

Recommended background: French FSI1A-M or the equivalent

Text: none

Equipment: You must have access to a cassette tape player/recorder.

French

Course code: FSF1A-M

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| Grade 9 | ½ credit |
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Students who have completed their studies in elementary school French in Ontario should begin their secondary school French with this course.

In French FSF1A-M you will continue to increase your skills in understanding, speaking, reading, and writing everyday French.

Recommended background: completion of an Ontario elementary school core French program or French FSI1A-P

Text: Collins, R. G.; Favrod, A. M.; and McConnell, G. R. *Vive le français!* Level 4.

Equipment: You must have access to a cassette tape player/recorder.

French

Course code: FSF1A-P

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| Grade 9 | ½ credit |
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French FSF1A-P provides the second half of your Grade 9 French credit. It focuses on the development of language skills.

Recommended background: French FSF1A-M or the equivalent

Text: Collins, R. G.; Favrod, A. M.; and McConnell, G. R. *Vive le français!* Level 4.

Equipment: You must have access to a cassette tape player/recorder.

French

Course code: FSF2A-M

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| Grade 10 | ½ credit |
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This course is a continuation of French FSF1A-P and has the same general goals of developing skill in understanding, speaking, reading, and writing everyday French.

Grammar topics include verb tenses and pronoun usage; you will put this knowledge to immediate use as part of the oral and written skills that you are developing.

The reading program is important in this course and you will find that the readings in French FSF2A-M have been especially designed so that the knowledge of the vocabulary and grammar you acquired in earlier studies will fit in well with them.

Both the grammar and reading topics are actively reinforced by oral work done on a series of cassettes.

Recommended background: French FSF1A-P or the equivalent

Text: Collins, R. G.; Favrod, A. M.; and McConnell, G. R. *Vive le français!* Level 5.

Equipment: You must have access to a cassette tape player/recorder.

French

Course code: FSF2A-P

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| Grade 10 | ½ credit |
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As a continuation of French FSF2A-M, this course has the same general aims of language skill development through grammar study, oral practice with cassettes, and specially designed readings.

As in the first half of your Grade 10 studies, you will become increasingly aware of French used around the world through the reading selections in the course. These selections will make you aware of French as it is encountered in such places as Canada, Louisiana, and North Africa.

Recommended background: French FSF2A-M or the equivalent

Text: Collins, R. G.; Favrod, A. M.; and McConnell, G. R. *Vive le français!* Level 5.

Equipment: You must have access to a cassette tape player/recorder.

Series Two

The courses listed in this series have been offered by the Independent Learning Centre in the past and will continue to be offered for a limited number of years. Students who are enrolled in or who have completed any of the courses in this series (including FSF2A-A or FSF2A-B) may continue with the next grade in Series Two.

Students with no background in any French studies will not be able to begin their secondary school French studies with this series. See the description of Series One French courses.

French

Course code: FSF3A-B

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| Grade 11 | 1 credit |
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Note: French FSF3A-B and FSF4A-B are not available to day-school students who are now enrolled in an Ontario secondary school French program.

Since they are part of Series Two, French FSF3A-B and FSF4A-B are suitable only if you began your French studies in Grade 9 with no Ontario elementary school background and are re-entering or completing your French studies as a continuing education student.

This first Senior course emphasizes the importance of dialogue with your teacher. The course focuses on the improvement of your language skills through oral practice (by means of cassettes), writing of medium-length passages, reading of short stories, and language study. Topics include vocabulary related to daily life situations; the past tense; negative expressions; and the comparative and superlative of adjectives and adverbs.

Recommended background: FSF2A-A or FSF2A-B or the equivalent

Texts: Howlett, F. G., and Paton, J. A. *Point de départ*.

Kenney, M.; Burville, V.; Hickox, B.; Hill, J.; and Potter, C. *Passeport français*. Books 5 and 6.

Equipment: You must have access to a cassette tape player.

French
Course code: FSF4A-B

Grade 12 1 credit

Note: French FSF4A-B is not available to day-school students who are now enrolled in an Ontario secondary school French program.

Since it is part of Series Two, French FSF4A-B is suitable only if you began your French studies in Grade 9 with no Ontario elementary school background and are re-entering or completing your French studies as a continuing education student. If you have completed the Series Two course, French FSF3A-B, or the equivalent, you may enrol in FSF4A-B. On completing FSF4A-B you may enrol in French FSG0A-A for an OAC credit.

This Grade 12 course includes dictation and comprehension exercises and tests on cassettes, language study, and a great deal of supplementary reading practice. Most of the instructions and explanations are given in French. Topics include the future, conditional, and *passé simple* tenses; the present and past subjunctive; and demonstrative pronouns. You will also be introduced to the cultures of France and Quebec.

Recommended background: FSF3A-B or the equivalent

Texts: Euler, G. D., and Kenney, M. *Un bel avenir*. Kenney, M.; Burville, V.; Hickox, B.; Hill, J.; and Potter, C. *Passeport français*. Books 7 and 8.

Equipment: You must have access to a cassette tape player.

A test to determine whether you should select the Grade 11 or the Grade 12 course is available on request if you have completed several courses in French but have not studied the language for some time.

Ontario Academic Courses

French
Course code: FSG0A-A

OAC 1 credit

In this course you will study the works of Franco-phone authors and use French extensively to express your ideas both orally and in writing. Grammar topics include the subjunctive; forms and uses of pronouns; articles; and negatives. Literary genres include poetry, short stories, and a modern play. Cassettes will continue to be used for oral practice.

The final mark for this course is calculated in the following manner:

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|----------------|-----|
| – oral work | 30% |
| – written work | 35% |
| – final test | 35% |

Recommended background: FSF4A-B or the equivalent

Texts: Carrier, R. *Les enfants du bonhomme dans la lune*.

Gélinas, G. *Hier, les enfants dansaient*.

Jeanneret, F. C. A.; Hislop, E. E.; and Lake, M. H. *Cours moyen de français, Part II*.

Maupassant, Guy de. *Contes choisis de Guy de Maupassant*.

Simenon, G. *Maigret tend un piège*.

Equipment: You must have access to a cassette tape player/recorder.

Geography

Basic Level Courses

Basic level courses in geography are designed for students who wish one or more of the following:

- to learn how to locate and use information from maps, charts, graphs, and photographs
- to develop geography skills useful in everyday living
- to improve reading, writing, and listening skills
- to learn more about world and Canadian geography

Geography – Canada (Part 1)

Course code: GCA2B-M

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| Grade 10 | ½ credit |
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In this course you will study geography with the characters of an imaginary family. You will learn interesting facts about Canada and discover how to get information from maps, charts, graphs, and photographs. You will also improve your reading, writing, and listening skills.

Audiotapes are included to help you with your lessons and assignments.

Recommended background: none

Text: none

Equipment: You must have access to a cassette tape player.

Geography – Canada (Part 2)

Course code: GCA2B-P

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| Grade 10 | ½ credit |
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In this ten-lesson course you will learn more about the geography of Canada. You will also improve your reading skills as you read articles that include maps, charts, and graphs.

Audiotapes are included to help you with your lessons and assignments.

Required background: GCA2B-M

Text: none

Equipment: You must have access to a cassette tape player.

Guidance

General Level Courses

General level courses in career planning are designed for students who wish one or more of the following:

- to develop a wide range of skills that are useful in searching for a job
- to find out more about career opportunities
- to decide which occupation best suits their particular needs and talents

Guidance – Career Planning **Course code: NGD3G-A**

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| Grade 11 | 1 credit |
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This course will assist you in planning your future. It will help you learn more about yourself, decide which occupation might suit your particular needs and talents, find out what career opportunities are available to you, and learn such job-search skills as writing résumés, applying for work, and dealing successfully with interviews.

Students are asked to do some self analysis, reading, and research and to submit written assignments, questionnaires, and surveys.

Recommended background: Grade 11 English reading and writing skills

Text: none

History and Contemporary Studies

History

History is the study of change and of how the past is related to the present and future. History courses try to lead you to a better understanding of the lives, ideas, and experiences of people from the earliest times to the present.

Basic Level Courses

Basic level courses in history are designed for students who wish one or more of the following:

- to learn about ideas, problems, events, and people in our history
- to find out how the past affects our lives today
- to develop skills useful in everyday living
- to develop reading, writing, and listening skills

Contemporary Canada: Life in the Twentieth Century (Part 1)

Course code: HCT2B-M

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| Grade 10 | ½ credit |
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Ideas, problems, events, and people in twentieth-century Canada are the subject of this course. You will learn skills that will help you in everyday living and will complete interesting assignments, including crossword puzzles, quizzes, and map study.

Audiotapes are included to help you with your lessons and assignments.

Recommended background: none

Text: none

Equipment: You must have access to a cassette tape player.

Contemporary Canada: Life in the Twentieth Century (Part 2)

Course code: HCT2B-P

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| Grade 10 | ½ credit |
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This ten-lesson course is a continuation of HCT2B-M. You will look at Canada and its relationship with other countries after World War II. You will also read about some of the changes that took place in Canada after 1945 and look at some of the challenges Canada faces as we approach the year 2000.

Required background: HCT2B-M

Text: none

Equipment: You must have access to a cassette tape player.

General Level Courses

General level courses in history are designed for students who wish one or more of the following:

- to develop an understanding of ideas, issues, events, and personalities in our history
- to learn how to deal with the issues of today's world
- to develop skills in communicating and problem solving
- to learn how to participate fully in Canadian democracy

Contemporary Canada: Life in the Twentieth Century

Course code: HCT2G-A

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| Grade 10 | 1 credit |
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This course will help you develop an understanding of the ideas, issues, events, and personalities that have shaped twentieth-century Canada. You will also have the opportunity to develop skills that are helpful in dealing with the issues of today's world.

Topics include government and law; English-French relations; Canada and the rest of the world; the two world wars; and Canada today.

Recommended background: none

Text: Kirbyson, R. C.; Bain, C. M.; Dreyer, P.; McCutcheon, K.; and Skeoch, A. *Discovering Canada: Shaping an Identity*.

Advanced Level Courses

Advanced level courses in history are designed for students who wish one or more of the following:

- to proceed to Ontario Academic Courses and/or university courses in the humanities and social sciences
- to develop skills that will enable them to become capable, independent learners, thinkers, and evaluators
- to undertake the tasks of a disciplined and rigorous approach to historical study

Contemporary Canada: Life in the Twentieth Century (Part 1)

Course code: HCT2A-M

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| Grade 10 | ½ credit |
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This course will help you understand the theoretical framework of the important ideas, issues, and events in twentieth-century Canada. It is based on four topics: citizenship, English-French relations, Canadian-American relations, and international relations. While the emphasis is on contemporary concerns, historical and future-oriented issues are explored, particularly as they relate to present-day Canadian problems and concerns.

Recommended background: none

Text: none

Contemporary Canada: Life in the Twentieth Century (Part 2)

Course code: HCT2A-P

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| Grade 10 | ½ credit |
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This ten-lesson course is a continuation of HCT2A-M. You will have the opportunity to develop an understanding of the Canadian political and legal system and an appreciation of the rights and responsibilities of citizens in Canadian society. You will come to realize that contempo-

rary issues have roots in the past, a focus in the present, and implications for the future.

Required background: HCT2A-M

Text: none

Civilizations in History

Course code: HWC3A-M

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| Grade 11 | ½ credit |
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This course will help you to develop a global perspective through the study of past civilizations. Opportunities are provided for you to establish criteria, formulate and test hypotheses, and reach your own personal conclusions about the nature of human society.

Among the topics you will study are The Ancient Civilizations of China and Japan; The Puzzle of the Pyramids; Atlantis: The Undersea Mystery; The Ideals of Sparta and Athens; and An Introduction to Alexander, Hannibal, and Julius Caesar.

Required background: one course in secondary school history

Text: Davis, M. Dale. *Civilizations in History*.

Civilizations in History

Course code: HWC3A-P

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| Grade 11 | ½ credit |
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In this ten-lesson course you will continue the study of Civilizations in History that you began in HWC3A-M.

Among the topics you will study are The Triumph and Decline of Rome; Europe and the Pre-Columbian Discovery of America; Europe and the Sun King; and Towards the Modern Era.

Required background: HWC3A-M

Text: Davis, M. Dale. *Civilizations in History*.

Ontario Academic Courses

History: Modern Western Civilization

Course code: HWM0A-A

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| OAC | 1 credit |
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This course considers some major ideas about human beings and their world, as well as the individuals who have made important contributions to the development of knowledge and of

institutions in the Western world during the last three centuries. You will be given the opportunity to develop ideas and skills to help you understand and contribute to the issues, values, and ideas that shape your community.

Prerequisite: at least one advanced level Senior social science credit. (It is recommended that students also have completed one advanced level Senior English credit.)

Text: none

Contemporary Studies

The contemporary studies program is concerned with present-day affairs, in particular the structure and operation of social institutions and the motivating forces behind individual and collective behaviour.

General Level Courses

General level courses in contemporary studies are designed for students who wish one or both of the following:

- to develop a wide range of skills that are useful in everyday life
- to focus on the individual in relation to his or her family, friends, community, nation, and the world

People of Native Ancestry

People of Native Ancestry
Course code: HNA3G-M

Grade 11 ½ credit

Canada's Native people have played a major role in this country's past and they remain an important part of its social and cultural fabric. Today, more Canadians are developing an interest in and appreciation of Native culture, contributions, and heritage.

This course will help you to become more knowledgeable about the history of Native people in Canada and thus more appreciative of the needs of Native Canadians within our common destiny.

Recommended background: Grade 10 English or the equivalent

Text: Santor, Donald M. *Canada's Native People*.

Economics

Economics (Part 1)
Course code: HXE4G-M

Grade 12 ½ credit

It's time to stop feeling intimidated by the "science" of economics. In this introductory course you will study the demand that people create for products and investigate why certain goods are produced. You will also learn about inflation, unemployment, and international trade.

Recommended background: Grade 10 English

Text: none

Economics (Part 2)
Course code: HXE4G-P

Grade 12 ½ credit

In this ten-lesson course you will continue the study of economics that you began in HXE4G-M. Topics in this course include an introduction to macroeconomics, international trade, monetary and fiscal policies, inflation, employment/unemployment, and the roles of government in the economy.

Required background: HXE4G-M

Text: none

Advanced Level Courses

Advanced level courses in contemporary studies are designed for students who wish one or more of the following:

- to proceed to Ontario Academic Courses and/or university courses in the humanities and social sciences
- to develop skills that will enable them to become capable, independent learners, thinkers, and evaluators
- to focus on the individual in relation to his or her family, friends, community, nation, and the world

Society: Challenge and Change**Course code: HSC4A-M****Grade 12****½ credit**

In order to deal with contemporary social issues and problems, we must become mature, rational, caring citizens.

This course will introduce you to the systematic study of social organization and the contribution of the social sciences to our understanding of human behaviour. It will also examine the unprecedented strains that technological and social changes have placed on our society. You will explore ways in which individuals see themselves and others, relate to others in a variety of social settings, and adapt to a constantly changing society.

Among the topics you will study are What It Means to Be Human: Our Physical Origins; Socialization: The Development of Human Personality; The Nature of Deviance; Dealing With Deviance; the Importance of Language to Human Beings; and The Mass Media and Social Values.

Recommended background: one course in secondary school history

Text: none

Society: Challenge and Change**Course code: HSC4A-P****Grade 12****½ credit**

In this ten-lesson course you will continue the study of Society: Challenge and Change that you began in HSC4A-M.

Among the topics you will study are: Social Class, Inequality, and Poverty; Industrialization, Work, and Alienation; Our Health; Ethnicity; Gender Issues; The Family: Its History and Current Status; Violence in Our Society; and Shaping the Future of Our Society.

Required background: HSC4A-M

Text: none

Ontario Academic Courses

Economics

Economics**Course code: HXE0A-A****OAC****1 credit**

A knowledge of economics is essential for sound decision making. This course in economic reasoning will help you develop the knowledge and skills needed throughout life to make informed decisions and reasoned judgements about important economic questions facing your country, your society, and yourself. You will be able to understand, interpret, and discuss knowledgeably the current economic events, issues, and theories that influence not only your province and your fellow Canadians, but also Canada's relations with the rest of the world.

Prerequisite: at least one advanced level Senior social science credit

Text: none

Mathematics

Basic Level Courses

Basic level courses in mathematics are designed for students who wish one or more of the following:

- to gain more understanding, skill, and confidence in mathematics
- to learn more about how to use mathematics in everyday life
- to obtain standing in mathematics up to Grade 12, but not beyond

Basic level courses are straightforward courses designed for students who have found mathematics difficult in the past.

Note: If you wish to prepare for postsecondary education, you should choose courses from the general level or the advanced level.

Mathematics
(Mathematics for Work and Home, Part 1)
Course code: MTW1B-M

Grade 9 1/2 credit

This ten-lesson course will help you gain more confidence in mathematics. You will get better at doing arithmetic and geometry problems, and you will learn how to use a calculator.

In the first part of the course you will do paper-and-pencil calculations with decimals and fractions. Then you will work through examples that will show you how the mathematics you have learned is used in everyday situations, such as working with invoices and serial numbers, calculating salaries and wages, and banking. Finally, you will learn how to estimate answers to problems in order to figure out if the answers you got using a calculator are correct.

Prerequisite: none

Text: none

Mathematics
(Mathematics for Work and Home, Part 2)
Course code: MTW1B-P

Grade 9 1/2 credit

This ten-lesson course is a continuation of MTW1B-M. It will give you a second half-credit in Grade 9 basic mathematics.

This course will help you get better at the mathematics used in everyday life. You will learn how to: draw and read graphs; make scale diagrams; use the metric system; calculate the distance around the outside of different shapes; calculate how big the surface of a shape is; and calculate how much a box can hold. You will also learn how to collect, record, and organize numbers from experiments, surveys, and polls.

Prerequisite: MTW1B-M or the equivalent

Text: none

Mathematics
(Mathematics for Work and Home, Part 1)
Course code: MTW2B-M

Grade 10 1/2 credit

This course will be useful if you have had difficulty in mathematics and wish to improve your skills in mathematics for everyday situations at home and at work.

The ten-lesson course will teach you how to use mathematics in the following types of situations: getting a job and understanding your pay cheque; keeping a bank account; buying and maintaining a car; calculating the cost of hobbies, vacations, and entertainment; and working full- or part-time.

Your skills will be carefully developed and reinforced in each lesson.

Prerequisite: MTW1B, MAT1G, MAT1A or the equivalent

Text: none

Mathematics
(Mathematics for Work and Home, Part 2)
Course code: MTW2B-P

Grade 10 ½ credit

This ten-lesson course is a continuation of MTW2B-M. It will give you an additional one-half credit in Grade 10 basic mathematics.

The course emphasizes how to use mathematics in day-to-day situations. Topics include renting or buying a home; maintaining and repairing a home; planning a garden; planning a weekend; reading the sports pages; and calculating your fitness level.

Prerequisite: MTW2B-M or the equivalent

Text: none

General Level Courses

General level courses in mathematics are designed for students who wish one or more of the following:

- to acquire the practical skills necessary for business applications, apprenticeship, and/or enrolment in a college of applied arts and technology
- to study mathematics at a level less demanding than the advanced level

If, in the past, you have not had an interest in or aptitude for the more abstract aspects of mathematics, and you are not planning to study mathematics or courses in which mathematics is required at the university level, then you should study mathematics at the general level.

Mathematics
Course code: MAT1G-A

Grade 9 1 credit

This course provides opportunities for you to improve many mathematical and related skills; to review basic mathematical concepts; to prepare for further mathematics courses at the general level; and to gain confidence, as well as take enjoyment, in the subject. Topics include problem solving; decimals; metric conversion; functions; ratio and proportion; per cents; integers; introduction to geometry; introduction to algebra; and statistics.

Prerequisite: none

Text: none

Mathematics
(Mathematics for Business and Consumers, Part 1)
Course code: MTB3G-M

Grade 11 ½ credit

This ten-lesson course is designed to develop your understanding of the mathematics used in such tasks as buying and selling, managing savings and investments, and calculating income tax. Skill in operating a calculator is developed, and practice examples and exercises with complete solutions are provided. This course not only offers practical assistance in everyday business mathematics, but also gives you some necessary background for courses in business studies.

Prerequisite: MAT2G, MAT2A or the equivalent

Text: none

Mathematics
(Mathematics for Business and Consumers, Part 2)
Course code: MTB3G-P

Grade 11 ½ credit

Designed to follow MTB3G-M, this ten-lesson course continues to emphasize practical mathematics. Skill in using a calculator is further developed.

Prerequisite: MTB3G-M or the equivalent

Text: none

Advanced Level Courses

Advanced level courses in mathematics are designed for students who have an intrinsic interest in mathematics, are able to work with abstract ideas, and wish one or more of the following:

- to prepare for the study of mathematics to the completion of secondary school and possibly beyond
- to take courses that are more theoretical than practical
- to take courses that are academically challenging

Mathematics
Course code: MAT1A-B

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| Grade 9 | 1 credit |
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This course deals with each new topic in detail, giving you ample opportunity to practise new skills. Topics include the language of sets; integers and rational numbers; irrational numbers; introduction to algebra; statistics; graphing; geometry; transformations; and a comprehensive review.

Prerequisite: none

Text: none

Mathematics
Course code: MAT2A-A

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| Grade 10 | 1 credit |
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Presented in a highly personal style, this course makes use of familiar everyday happenings to show that math can be fun, as well as stimulating. There are many helpful examples and practice exercises. Topics include statistics; radicals; polynomials; graphs and relations; variation; linear systems; transformations; deductive geometry; and three-dimensional geometry.

Prerequisite: MAT1A or the equivalent

Text: none

Mathematics
Course code: MAT3A-M

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| Grade 11 | ½ credit |
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This ten-lesson course is designed to prepare you for the Ontario Academic Courses in mathematics. The aim of the course is to help you understand the principles of mathematics and develop proficiency in those mathematical skills commonly used in other subject areas.

Each lesson includes a number of examples, as well as practice exercises with complete solutions. The correct use of a scientific calculator is also taught through examples. Skills in geometry and algebra that were developed in earlier grades are consolidated.

Prerequisite: MAT2A, MTT3G or the equivalent

Text: none

Mathematics
Course code: MAT3A-P

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| Grade 11 | ½ credit |
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This ten-lesson course is designed to follow MAT3A-M. Topics include investment mathematics (interest and annuities); and functions (for example, the quadratic function). The format is similar to that of MAT3A-M, and the use of a scientific calculator will continue to be emphasized.

Prerequisite: MAT3A-M or the equivalent

Text: none

Mathematics
Course code: MAT4A-M

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| Grade 12 | ½ credit |
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This ten-lesson course has been designed to help students prepare for Ontario Academic Courses in mathematics. In this course you will develop skills commonly applied in other disciplines, learn more about using a scientific calculator, improve your problem-solving abilities, and consolidate skills in geometry and algebra.

The processes of modelling, problem solving, and application will be integrated with the topics covered. These topics include polynomials and equations, absolute value, graphing relations, congruence, parallelism, similarity, and the geometry of circles.

Prerequisite: MAT3A or the equivalent

Text: none

Mathematics
Course code: MAT4A-P

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| Grade 12 | ½ credit |
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This ten-lesson course is a continuation of MAT4A-M, and gives you an additional half-credit in advanced level mathematics. Completing this course will help you prepare for an OAC in mathematics, and also gain an appreciation of the overall structure of mathematics. Topics include trigonometry, trigonometric equations and identities, exponential and logarithmic functions, and the composition of functions.

Prerequisite: MAT4A-M or the equivalent

Text: none

Ontario Academic Courses

Ontario Academic Courses in mathematics are designed to help students

- understand the principles and substantive content of mathematics
- develop skills commonly applied in mathematics and related disciplines at the university level
- extend communication skills using the language and notation of mathematics
- develop an appreciation of the role of proof in the study and application of mathematics

Mathematics

(Finite Mathematics)

Course code: MFN0A-A

| | |
|-----|----------|
| OAC | 1 credit |
|-----|----------|

The Finite Mathematics course is appropriate for those students who do not require the Calculus course as a prerequisite for university programs. It can also serve as a complement to the Calculus course for those students who will be continuing the study of mathematics at university. Topics include applications of matrix algebra; solving systems of equations and inequations; permutations; combinations; the Binomial Theorem; finite series; probability and its application; and statistics.

Prerequisite: MFM4A, MAT3A or the equivalent

Note: Students who wish to enrol in Finite Mathematics upon successful completion of MAT3A and bypass MAT4A should consult ILC.

Text: none

Mathematics

(Calculus)

Course code: MCA0A-A

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|-----|----------|
| OAC | 1 credit |
|-----|----------|

Calculus is the study of how one variable changes with respect to another variable. This course stresses the intuitive approach to the basic concepts of calculus through an emphasis on applications and examples. The use of calculus as a means of modelling in applications and problem solving is emphasized. Topics include limits; simple derivatives and derivatives of trigonometric, exponential, and logarithmic functions; tangents;

rates of change; extreme values; curve sketching; differential equations; and area.

This course is appropriate for students who plan to study calculus at the university level or who wish to enter an engineering program or a program in the natural or applied sciences.

Prerequisite: MAT4A, MFM4A or the equivalent

Text: none

Personal Life Management

People today are faced with many social challenges, such as rapid technological and economic change, new family patterns, an aging population, and a variety of lifestyles. In order to help you understand these changes and acquire the skills to deal with them, the Personal Life Management program has been developed.

This program will give you an opportunity to explore a variety of topics in a short period of time. Each course within the program is a five-lesson module worth one-quarter credit. You may select as many of the courses as you wish. Students who successfully complete any four of the Personal Life Management courses will earn the Senior Division social science credit that is required for the Ontario Secondary School Diploma.

The following modules have been developed as Grade 11 general level courses:

- Aging
- Law
- Nutrition
- Parenting
- Entrepreneurship
- Resources Management
- Well-being

Students may study one, or any combination of the courses listed. A description of each module follows.

General Level Courses

Aging

Course code: NMG3G-J

| | |
|----------|----------|
| Grade 11 | ¼ credit |
|----------|----------|

Although all living things age, many people have an unrealistic picture of the elderly and the aging process. We often do not take the time to think about what aging means, both to ourselves and to others. This module will give you a chance to gain a better understanding of older generations.

Topics include the aging process; support services in the community; retirement; family life; and positive attitudes towards aging.

Recommended background: none

Text: none

Law

Course code: NML3G-J

| | |
|----------|----------|
| Grade 11 | ¼ credit |
|----------|----------|

Since laws affect everyone's daily life, it is important that you have some knowledge about our laws and legal system. This module will provide you with a good overview of the law as it affects you from day to day. Topics include family issues; living and working in the community; criminal issues; and community resources.

Recommended background: none

Text: none

Nutrition

Course code: NMN3G-J

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|----------|----------|
| Grade 11 | ¼ credit |
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There is little question that the food we eat affects our health. This module will increase your knowledge of the relationship between nutrition and health. You will have a chance to look at your present diet and to develop a personal food plan that is not only healthy but reflects your lifestyle and tastes.

Topics include nutrition and health; choosing food; meal patterns and nutrition; and food shopping, storage, and preparation.

Recommended background: none

Text: none

Parenting**Course code: NMP3G-J**

Grade 11 **¼ credit**

Whether you are already a parent, thinking about starting a family, or simply interested in how children develop, this module will increase your understanding of the art of being a parent. Topics include preparation for parenthood; early childhood development; the role of a parent; and the rights of children.

Recommended background: none**Text:** none**Entrepreneurship****Course code: NME3G-J**

Grade 11 **¼ credit**

Have you ever thought about working for yourself? To be successful, you need to have what some have called the entrepreneurial spirit — you must be able to make your own decisions, be prepared to take risks, and exercise your ingenuity.

In this module, you will look at the kinds of things you have to do to start and run a successful business or enterprise. Topics include the characteristics of an entrepreneur; and planning, managing, and expanding an enterprise.

Recommended background: none**Text:** none**Resources Management****Course code: NMM3G-J**

Grade 11 **¼ credit**

We all need to have food, shelter, and clothing, and to feel independent and secure. In this module, you will learn how to use your time, money, and talents to fulfil these basic needs. Topics include handling your personal resources; managing your time and money; and discovering your hidden talents.

Recommended background: none**Text:** none**Well-being****Course code: NMW3G-J**

Grade 11 **¼ credit**

In this module, well-being is defined as the “wellness” that you feel when you are psychologically, socially, and physically healthy. This module will help you understand what well-being is, how it can be achieved and maintained, and why it is important to your personal life.

Topics include the nature of well-being; levels of well-being; influences on the maintenance of well-being (for example, habits, work, stress); and planning and achieving personal well-being.

Recommended background: none**Text:** none

Science

Basic Level Courses

Basic level courses in science are designed for students who wish one or more of the following:

- to improve their job-related skills, such as observing, reporting, and summarizing information
- to better understand current issues in science
- to become aware of the ways in which science affects their lives

Science

Course code: SNC1B-M

| | |
|---------|----------|
| Grade 9 | ½ credit |
|---------|----------|

You will find this course both interesting and practical. It will help you to understand the world around you and to make decisions related to everyday life.

Topics in this ten-lesson course include the body and its functions; forces and speed; and simple machines, such as levers and pulleys.

There will be experiments for you to perform in your home, making use of common household materials.

Recommended background: none

Text: none

Science

Course code: SNC1B-P

| | |
|---------|----------|
| Grade 9 | ½ credit |
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This course is a continuation of SNC1B-M. It will give you an additional one-half credit in Grade 9 basic level science. Topics include the properties of matter; the science of home gardening; and the world of water. Special attention will be given to environmental issues, including the need to conserve our natural resources.

You will perform experiments in your home, making use of common household materials.

Required background: SNC1B-M or the equivalent

Text: none

Science

Course code: SNC2B-M

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| Grade 10 | ½ credit |
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This ten-lesson course will discuss a variety of current scientific issues. Topics include our surroundings, from the tiniest cells to the far reaches of outer space; the skin and the tanning process; drugs and alcohol; and cigarette smoking.

There will be simple experiments for you to perform in your home, making use of common household materials.

Recommended background: none

Text: none

Science

Course code: SNC2B-P

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|----------|----------|
| Grade 10 | ½ credit |
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This ten-lesson course is a continuation of SNC2B-M. It will give you an additional one-half credit in Grade 10 basic level science. Topics include types of diseases, the respiratory system, the circulatory system, the skeletal system, the reproductive system, the digestive system, food labels, the chemistry of drinks, chemical changes, and fire safety.

There will be simple experiments for you to perform in your home, making use of common household materials.

Required background: SNC2B-M or the equivalent

Text: none

Advanced Level Courses

Advanced level courses in science are designed for students who wish one or more of the following:

- to focus on the academic skills required for further studies at university or in certain programs at colleges of applied arts and technology
- to acquire an understanding of the theoretical principles, practical applications, societal implications, and substantive content of science
- to develop problem-solving skills

Chemistry Course code: SCH3A-A

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| Grade 11 | 1 credit |
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The purpose of this course is to help you appreciate the importance of chemistry in a wide variety of daily activities, and understand the ways in which chemistry affects your environment. The latter will assist you in making decisions as a responsible citizen.

Topics include physical and chemical properties; atomic theory; chemical bonding; the behaviour of gases; chemical formulas and equations; chemical calculations; water and solutions; acids and bases; and chemical industries in Canada.

This course is a prerequisite for OAC chemistry.

Recommended background: one advanced level mathematics course and one advanced level science course

Text: none

Equipment: Two chemistry kits are loaned to you.

Physics Course code: SPH3A-A

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|----------|----------|
| Grade 11 | 1 credit |
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This course provides an interesting and relevant study of the fundamental concepts and ideas of physics, from Galileo to atomic radiation. Topics include waves; light; sound; mechanics; electricity; magnetism; electro-magnetism; electronics; and atomic physics.

You should select this course if you wish to prepare for OAC physics.

Experiments are described and illustrated in the lesson material; you are not required to perform them yourself.

Recommended background: MAT2A or the equivalent and one advanced level science course

Text: none

Ontario Academic Courses

Chemistry Course code: SCH0A-A

| | |
|-----|----------|
| OAC | 1 credit |
|-----|----------|

This OAC is a natural follow-up to the Grade 11 advanced level course SCH3A. It will attempt to assess rationally the scientific issues faced by Canadian industrialists and citizens as they achieve the proper balance of industrial growth and a safe environment. Chemistry is a discipline that can help determine this balance.

In the first few lessons you will review the Grade 11 material. For the balance of the course, you will deal with the following topics: nuclear reactions; energy of reactions; equilibrium; electrochemistry; and organic chemistry.

There is a laboratory component to this course. You will be required to perform some experiments in your home.

Prerequisite: SCH3A or the equivalent. (One advanced level Senior Mathematics credit is also recommended.)

Text: Toon, E. R., and Ellis, G. L. *Foundations of Chemistry*.

Equipment: You are required to purchase one chemistry kit. Instructions regarding the purchase of this kit (at an approximate cost of \$60.00) will be included with the first package of lesson materials.

Physics Course code: SPH0A-A

| | |
|-----|----------|
| OAC | 1 credit |
|-----|----------|

This OAC provides the opportunity to master substantive course content, to recognize scientific processes, and to develop problem-solving abilities. You will be exposed to problems that combine concepts from areas such as mechanics, electricity, wave phenomena, and modern physics. The

course also deals with the relevant applications and societal implications of physics.

Topics include Newton's laws of motion; theories of light; electric fields; and special relativity.

Prerequisite: SPH3A, SPH4A or the equivalent.
(One advanced level Senior Mathematics credit is also recommended.)

Text: none

Technological Studies

For the time being, technological studies at ILC are offered at the general level only. This level has proven to be the most appropriate to meet the needs of students enrolling in the technical courses.

General Level Courses

General level courses in technological studies are designed for students who wish one or more of the following:

- to prepare for direct entry into employment or certain community college courses
- to acquire personal skills
- to become acquainted with the language and issues of the various fields of technological studies
- to increase their awareness, appreciation, and enjoyment of the arts
- to develop an appreciation of the relationship between technological changes and the quality of life

Drafting – General Course code: TDG2G-B

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| Grade 10 | 1 credit |
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This course introduces you to fundamental drafting procedures and develops your skills in the use of basic drafting equipment and special drawing techniques. Assignments in blueprint reading complement each phase of the course. Metric drawing is also introduced. Topics include simple and multiview drawings; the theory of shape description; orthographic projection; shop processes; dimensioning; isometric drawing; and sectioning.

Recommended background: none

Text: none

Equipment: You are required to supply your own drafting materials. Instructions regarding the purchase (at an approximate cost of \$62.00) or rental (at an approximate cost of \$7.00 per month) of a complete kit will be included with the first pack-

age of lesson materials. This kit may also be used for TDG3G-M, TDM3G-M, and TDA3G-M.

Drafting – General Course code: TDG3G-M

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| Grade 11 | ½ credit |
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This course is of a general nature, providing a logical follow-up to TDG2G-B or its equivalent. Topics include a review of orthographic projection and dimensioning; a review of sectioning; circles in isometric; threads and fasteners; tolerances and allowances; parallel and radial lines; and pictorial drawing.

Recommended background: TDG2G-B or the equivalent

Text: none

Equipment: You are required to supply your own drafting materials. Instructions regarding the purchase (at an approximate cost of \$62.00) or rental (at an approximate cost of \$7.00 per month) of a complete kit will be included with the first package of lesson materials.

Drafting – Architectural Course code: TDA3G-M

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| Grade 11 | ½ credit |
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This course moves logically from the general approach of TDG3G-M into more specialized architectural work. You are taken through the process of designing a house, from the foundation to the roof, in an interesting and easy-to-follow manner. Although the course is really an introduction to architectural drafting, it could also prove useful if you wish to know more about what to look for when buying a house.

Recommended background: TDG2G-B or the equivalent and TDG3G-M or the equivalent

Text: none

Equipment: You are required to supply your own drafting materials. Instructions regarding the purchase (at an approximate cost of \$62.00) or rental (at an approximate cost of \$7.00 per month) of a

complete kit will be included with the first package of lesson materials.

Drafting – Mechanical
Course code: TDM3G-M

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| Grade 11 | ½ credit |
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This course moves logically from the general approach of TDG3G-M into more specialized mechanical work. Topics include secondary auxiliary views; cam design; gearing; assembly drawings; graphic illustrations; and die design.

Recommended background: TDG2G-B or the equivalent and TDG3G-M or the equivalent

Text: none

Equipment: You are required to supply your own drafting materials. Instructions regarding the purchase (at an approximate cost of \$62.00) or rental (at an approximate cost of \$7.00 per month) of a complete kit will be included with the first package of lesson materials.

Part III

Descriptions of Non-credit Adult Basic Education Courses

Adult Basic Education

Adult Basic Education includes three types of courses: Adult Basic Literacy, English as a Second Language, and Adult Basic English. The first two require that the student have someone to act as volunteer tutor; the third is intended for adults who are able to work on their own to improve their English reading and writing skills.

A volunteer tutor can be anyone interested in helping the student learn to speak or read and write English. No special skills are required. A volunteer tutor is expected to

- read to the student the course descriptions that follow
- help the student enrol in the course of his or her choice
- receive the course materials on behalf of the student
- work through the lessons with the student
- provide the student with encouragement and practice

A person interested in becoming a volunteer tutor for someone who wants to learn how to read and write should read the following section on Adult Basic Literacy. For information on helping someone who wants to learn how to speak English, a potential tutor should read the section on English as a Second Language (page 49).

It should be noted that all the courses listed under Adult Basic Education are non-credit courses. Non-credit courses have the designation “9N” as part of their code. The designation means simply that the courses are non-credit.

Adult Basic Literacy

Adult Basic Literacy is designed specifically for adults who want to learn how to read and write and who have someone to act as a volunteer tutor.

The volunteer tutor should read the following course descriptions to the student. To request enrolment in the course the student chooses, the tutor should complete an ESL/ABL Application Form and return it to the Independent Learning Centre.

There are two Adult Basic Literacy courses: Adult Basic Literacy, Part One, and Adult Basic Literacy, Part Two.

Each lesson has two parts: the tutor/student guide and the student book. There is an audio cassette tape for each part. The tutor/student guide and tape provide an introduction to each lesson, and suggest ways for the student and tutor to work together on the lesson. The student book and tape provide the reading material and exercises for the student.

A qualified teacher, appointed by ILC, provides professional instruction. The teacher evaluates the assignments and has regular telephone conversations with the student.

Note: A volunteer tutor is required for these courses.

Adult Basic Literacy, Part One

Course code: ABL9N-1

Non-credit

There are eight lessons in this course. In each lesson you will be able to develop and practise your reading and writing skills.

In the first four lessons you will find an introduction to reading: What is it? What makes it easy? What makes it hard? As you practise reading in the next four lessons, you will learn more about yourself, about your body, and about staying healthy.

Recommended background: none

Text: none

Equipment: You must have access to a cassette tape player.

Adult Basic Literacy, Part Two

Course code: ABL9N-2

Non-credit

In this course you will continue to improve your reading and writing skills. You will read about famous people and unusual events. You will also practise skills that you can use in your day-to-day life.

Recommended background: Adult Basic Literacy, Part One

Text: none

Equipment: You must have access to a cassette tape player.

English as a Second Language

The four English as a Second Language (ESL) courses are designed for adults who speak little or no English and who have someone to act as a volunteer tutor.

The tutor should read and explain the following course descriptions to the student. To request enrolment in the course the student chooses, the tutor should complete an ESL/ABL Application Form and return it to the Independent Learning Centre.

All of the ESL courses use audio cassette tapes and student workbooks. The tutor helps the student work through the lessons and provides the student with conversation practice.

A qualified ESL teacher, appointed by ILC, provides professional instruction. The teacher evaluates the assignments and has regular telephone conversations with the student.

Note: A volunteer tutor is required for these courses.

English as a Second Language, Part One

Course code: ESL9N-1

Non-credit

By the end of this course you will know enough English to

- say hello to people
- talk about yourself
- ask others about themselves
- take telephone messages
- ask for directions
- talk to neighbours about everyday things
- have repairs done

Recommended background: none

Text: none

Equipment: You must have access to a cassette tape player.

English as a Second Language, Part Two

Course code: ESL9N-2

Non-credit

This course is a continuation of English as a Second Language, Part One.

By the end of this course you will speak English well enough to

- get to know people
- make appointments
- give and understand directions

- use the telephone
- start a new job

Recommended background: English as a Second Language, Part One

Text: none

Equipment: You must have access to a cassette tape player.

English as a Second Language, Part Three
Course code: ESL9N-3

Non-credit

This course is a continuation of English as a Second Language, Part Two. You will continue to study English that you can use in everyday life with your family and friends, co-workers, and others.

By the end of this course you will speak English well enough to

- talk with friends
- shop
- make travel plans
- understand weather reports
- look for a job

Recommended background: English as a Second Language, Part Two

Text: none

Equipment: You must have access to a cassette tape player.

English as a Second Language, Part Four
Course code: ESL9N-4

Non-credit

This is the last course in the English as a Second Language series.

By the end of this course you will speak English well enough to

- participate in groups
- keep up with the news
- apply for a job
- deal with banks
- talk and write about your own interests

Recommended background: English as a Second Language, Part Three

Text: none

Equipment: You must have access to a cassette tape player.

Adult Basic English

These courses are designed for adults who want to improve their reading and writing skills. Each lesson contains interesting short stories for reading, as well as spelling and writing exercises. Students also learn how to use a dictionary.

There are two Adult Basic English courses: Adult Basic English, Part One and Adult Basic English, Part Two. Each course has ten lessons. There is an audio cassette tape with each lesson.

A student who wishes to enrol in one of these courses should complete Application Form C and return it to the Independent Learning Centre.

Adult Basic English, Part One
Course code: ABE9N-1

Non-credit

In this first course you will

- read about famous people and interesting events
- learn how to write good sentences
- practise spelling
- improve your use of English

The audio cassette tapes will help you work through the lessons.

Recommended background: none

Text: none

Equipment: You must have access to a cassette tape player.

Adult Basic English, Part Two
Course code: ABE9N-2

Non-credit

You may take this course after you have finished Adult Basic English, Part One. In this course you will

- read short stories and newspaper reports about real people and real events
- learn skills that are helpful in your day-to-day life, such as filling out application forms
- learn how to write a paragraph
- improve your spelling and your use of English
- learn how to use a dictionary

The audio cassette tapes will help you work through the lessons.

Recommended background: Adult Basic English, Part One

Text: none

Equipment: You must have access to a cassette tape player.

Troisième partie - Cours sans valeur de crédit

Alphabétisation pour adultes

Pour suivre ce cours, il faut en premier lieu que l'élève ait quelq'un qui lui serve de tuteur ou de tuteur. Une deuxième condition est d'avoir l'intention de travailler seul pour améliorer ses aptitudes de lecture et d'écriture en français. Quiconque peut aider un étudiant ou une étudiante à lire, parler et écrire en français, peut être tuteur ou tuteur bénévole. Ce travail bénéficie ne demande aucune formation particulière. Le tuteur ou la tuteur accepte de recevoir le matériel au nom de l'élève et de faire pratiquer celui-ci ou celle-ci. On doit noter que tout cours placé sous la rubrique *Alphabétisation pour adultes* est un cours sans crédit et porte dans sa désignation le code 9N. Ce code n'a d'autre signification que de montrer que ces cours sont sans crédit.

Alphabétisation pour adultes

Ce cours est destiné aux adultes qui veulent apprendre à lire et à écrire et qui ont une personne se proposant d'être leur alphabétiseur(e). Chaque leçon comprend quatre parties : savoir écouter, savoir parler, savoir lire et savoir écrire. Il y a une cassette pour chaque leçon. Trois cahiers font aussi partie de la trousse : le guide de l'alphabétiseur(e), le guide de l'alphabétiseur(e) et de l'apprenant(e) ainsi qu'un cahier de lecture et d'exercices. L'apprenant(e) doit s'inscrire par l'entremise de son alphabétiseur(e) en remplissant un formulaire ALP que vous pouvez obtenir en téléphonant au CEL.

Alphabétisation
ALP9N-5

sans crédit

Il y a dix leçons dans ce cours. Dans chaque leçon l'élève pourra développer ses aptitudes à la lecture et à l'écriture.

Préalable recommandé : Aucun

Manuel : Aucun

Matériel : L'élève doit avoir à sa disposition un lecteur de cassettes.

Troisième partie

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Prétable recommandé : Un cours de mathématiques de 10^e année et le cours Sciences SNC1A ou l'équivalent

Manuel : Aucun

Cours préuniversitaires de l'Ontario (CPO)

Physique
Code du cours : SPH0A-0
CPO 1 crédit

Ce CPO offre la possibilité de comprendre et résoudre des problèmes techniques.

Vers la fin du cours, l'élève devra résoudre des problèmes complexes dans lesquels interviennent des concepts relevant de la mécanique, de l'électricité, des phénomènes d'onde et de la physique moderne.

Ce cours traite aussi des applications et des implications de la physique dans la société. Sujets traités : les théories du système de Newton, la théorie de la lumière, les champs électriques et la loi de la relativité.

La leçon 20 sert d'exemple d'épreuve et prépare à mieux passer l'examen final.

Prétable recommandé : Un cours de physique de niveau avancé et de bonnes connaissances en algèbre et géométrie

Manuel : Aucun

Chimie
Code du cours : SCH3A-0
1^{re} année 1 crédit

L'un des principaux buts de ce cours est de faire prendre conscience de l'importance de la chimie dans un grand nombre d'activités de tous les jours et de faire comprendre comment la chimie affecte l'environnement.

L'élève pourra ainsi être en mesure de prendre des décisions avisées à titre de citoyen ou citoyenne responsable. Les sujets du cours sont les suivants : propriétés physiques et chimiques, théorie des atomes, liaisons chimiques, comportement des gaz, équations et formules chimiques, calculs chimiques, eau et solutions, acides et bases, l'industrie chimique au Canada.

Prétable recommandé : Un cours de mathématiques de niveau avancé avec algèbre

Physique
Code du cours : SPH3A-0

1^{re} année 1 crédit

Ce cours permet à l'élève de résoudre des problèmes d'ordre technique et mécanique qui illustrent des principes de physique.

Les leçons sur la lumière comprennent l'étude des miroirs (la réflexion) et des lentilles (la réfraction) et l'analyse du fonctionnement des instruments d'optique. La leçon sur les ondes établit un lien entre l'étude de l'optique et celle de l'acoustique. Le cours approfondit également les notions de force, de mouvement et de dynamique ainsi que les aspects théorique et pratique de l'électricité. L'électronique et les rudiments de la physique moderne, la structure atomique et les transformations nucléaires sont aussi à l'étude.

Des troussees contenant des instruments de laboratoire et des produits chimiques sont fournies dans certains cours de sciences afin de permettre à l'élève de faire les expériences nécessaires. Les troussees contenant des produits chimiques ne sont pas expédiées hors du Canada, ni aux endroits desservis uniquement par courrier aérien.

Niveau fondamental

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|-------------------------|
| Sciences |
| Code du cours : SNCIF-5 |
| 9 ^e année |
| 1 / 2 crédit |

Tu trouveras ce cours intéressant et pratique. Il t'aidera à comprendre le monde qui t'entoure et à prendre des décisions qui influenceront ta vie de tous les jours. Les sujets traités dans ce cours de dix leçons comprennent : le corps et ses fonctions; les forces et la vitesse; les machines simples, telles que les leviers et les poulies.

Prétable recommandé : Aucun

Manuel : Aucun

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| Sciences |
| Code du cours : SNCIF-6 |
| 9 ^e année |
| 1 / 2 crédit |

Ce cours fait suite au cours SNCIF-5. Il t'offre un demi-crédit additionnel en sciences de 9^e année, niveau fondamental. Les sujets étudiés sont : les propriétés de la matière, la science du jardinage à la maison et le monde merveilleux de l'eau. Ce cours s'intéresse de façon toute spéciale aux questions de l'environnement et au besoin de conserver nos ressources naturelles.

Tu feras des expériences chez toi, en utilisant des matériaux simples.

Prétable recommandé : SNCIF-5

Manuel : Aucun

Niveau général

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| Sciences |
| Code du cours : SNC2G-0 |
| 10 ^e année |
| 1 crédit |

Ce cours est une introduction à la science. Il permet à l'élève d'explorer un champ scientifique assez vaste.

Les principaux thèmes étudiés sont : l'écologie et les écosystèmes, la diversité animale, la digestion, la respiration, les maladies des systèmes digestif et respiratoire, la circulation et la reproduction, la matière, les acides et les bases, l'électricité et le magnétisme, l'énergie et la conservation de l'énergie, les roches et les minéraux, les ressources minières et l'industrie minière et la pollution de l'environnement.

L'élève aura l'occasion de faire plusieurs activités qui exigent un matériel simple.

Prétable recommandé : Aucun

Manuel : Aucun

Niveau avancé

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| Sciences |
| Code du cours : SNC1A-0 |
| 9 ^e année |
| 1 crédit |

Ce cours de sciences physiques porte sur la mesure et l'analyse de la matière. Il examine les changements d'état, la notion d'énergie, l'énergie potentielle d'un ressort, la gravité, l'énergie produite par le mouvement, les leviers, les poulies et la chaleur, en particulier la chaleur massique des métaux.

Un chapitre étudie les causes de la crise de l'énergie et examine les sources d'énergie actuelles; il suggère des sources de remplacement et encourage une consommation intelligente de l'énergie au foyer, dans les transports et dans l'industrie.

Le droit
Code du cours : NVD3G-4
11^e année
1 / 4 de crédit

Avez-vous déjà songé à devenir votre propre patron? Pour réussir, il faut avoir l'esprit d'entreprise — être capable de prendre ses propres décisions, être prêt ou prête à prendre des risques et développer son ingéniosité.

Ce module permet à l'élève de se familiariser avec la planification et les démarches nécessaires à la mise sur pied et à l'exploitation d'une entreprise prospère.

Ce module traite donc des caractéristiques de l'entrepreneur-e, de la planification, de la gestion et de l'expansion de l'entreprise.

Prélabale recommandé : Aucun
Manuel : Aucun

Vieillir
Code du cours : NVV3G-4
11^e année
1 / 4 de crédit

Même si vieillir est un phénomène normal, la société semble souvent se faire une idée fausse de la vieillesse et du processus de vieillissement. Les gens s'arrêtent rarement au sens réel qu'a le mot vieillir. Ce module veut permettre à l'élève de mieux comprendre le vieillissement et les autres générations.

À l'intérieur de ce module l'élève approfondit des notions telles que le processus de vieillissement, les services sociaux offerts par la société aux personnes âgées, la retraite, la vie familiale et les attitudes positives à adopter face au vieillissement.

Prélabale recommandé : Aucun
Manuel : Aucun

Le droit
Code du cours : NVD3G-4
11^e année
1 / 4 de crédit

La loi imprègne la vie quotidienne des citoyens. Il est important que ceux-ci connaissent le rouage des lois et le système légal. Ce module amène l'élève à mieux comprendre les lois et leurs répercussions sur la vie de tous les jours.

Ce module traite des lois touchant la famille, le travail et le logement; des lois du système pénal, dont les infractions, les arrestations et les procès; et des lois de l'aide et du soutien de la communauté.

Prélabale recommandé : Aucun
Manuel : Aucun

La gestion des ressources
Code du cours : NVG3G-4
11^e année
1 / 4 de crédit

On a tous besoin de se nourrir, de se loger, de se vêtir et de jouir d'une certaine indépendance et d'une certaine sécurité. Ce module permet à l'élève d'apprendre à mieux utiliser ses ressources, soit son temps, son argent et ses talents afin de répondre à ses besoins fondamentaux.

Ce module amènera l'élève à mettre à profit ses ressources personnelles, à gérer son temps et son argent, et à découvrir ses talents cachés.

Prélabale recommandé : Aucun
Manuel : Aucun

Les responsabilités parentales
Code du cours : NVR3G-4
11^e année
1 / 4 de crédit

Qu'on soit présentement parent, qu'on songe à le devenir ou qu'on soit simplement intéressé au développement de l'enfant, ce module apportera à l'élève une meilleure compréhension de l'art d'être parent. Ce module traite entre autres de la préparation à une naissance, du développement de l'enfant, du rôle du parent et des droits de l'enfant.

Prélabale recommandé : Aucun
Manuel : Aucun

Les gens d'aujourd'hui font face à plusieurs défis sociaux apportés principalement par les changements technologiques et économiques. Ces défis se retrouvent également au niveau de la structure familiale, du vieillissement de la population et des différents modes de vie. C'est dans le but d'aider l'élève à mieux comprendre ces changements et d'acquiescer les techniques lui permettant de s'adapter à ces derniers que le programme de *Préparation à la vie* a été mis sur pied. Ce programme donne la chance à l'élève d'explorer plusieurs sujets dans une courte période de temps. Chaque cours comprend un module de cinq leçons et vaut un quart de crédit. L'élève peut choisir le nombre de cours qu'il ou elle désire. L'élève qui complète quatre des sept cours du programme *Préparation à la vie* obtiendra un crédit en sciences sociales au niveau supérieur, d'études secondaires de l'Ontario.

Ces modules de la onzième année du niveau général comprennent :

- Vieillesse
- Le droit
- L'alimentation
- Les responsabilités parentales
- L'esprit d'entreprise
- La gestion des ressources
- Le bien-être

L'élève peut choisir un seul cours ou n'importe quelle combinaison des cours énumérés. L'élève trouvera ci-dessous une description de chaque module.

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|--|-----------------|
| <p>L'alimentation Code du cours : NVA3G-4</p> | |
| 11 ^e année | 1 / 4 de crédit |
| <p>La quantité et la qualité des aliments que l'on consomme influent sur la santé. La compréhension des différents aspects de l'alimentation veut amener l'élève à mieux se nourrir et, par conséquent, à vivre en meilleure santé. L'élève aura à évaluer, dans ce module, sa consommation alimentaire et à développer un régime alimentaire équilibré qui répond à la fois à ses goûts comme à son style de vie.</p> <p>Ce module traite de l'alimentation et la santé, du choix des aliments, des repas et des habitudes alimentaires, de l'achat, de la conservation et de la préparation des aliments.</p> <p>Préalable recommandé : Aucun</p> <p>Manuel : Aucun</p> | |
| <p>Le bien-être Code du cours : NVB3G-4</p> | |
| 11 ^e année | 1 / 4 de crédit |
| <p>On entend par « bien-être » le fait de « se sentir bien dans sa peau » quand tout va bien sur tous les plans : physique, psychologique et social. Ce module vise à aider l'élève à mieux comprendre ce qu'est le bien-être, à atteindre et à maintenir un état de bien-être et à reconnaître son importance dans toute vie bien remplie. L'élève se penchera donc sur des sujets tels que l'essence du bien-être, les degrés de bien-être, les influences quant à l'atteinte et au maintien du bien-être (p. ex. : les habitudes, le travail, le stress), la recherche et la planification menant au bien-être.</p> <p>Préalable recommandé : Aucun</p> <p>Manuel : Aucun</p> | |

Niveau général

Orientation
(Orientation professionnelle)
Code du cours : NOK3G-0
11^e année
1 crédit

L'objectif de ce cours est d'aider l'élève à mieux se connaître, à découvrir ses aptitudes et ses intérêts et à développer sa personnalité.

Il fournit des renseignements sur les établissements d'enseignement postsecondaire et sur de nombreux métiers et professions. L'élève a l'occasion de lire des offres d'emploi (annonces) détaillées. Il ou elle peut ainsi se faire une idée précise de ce que comportent les métiers ou les professions qui semblent l'intéresser.

À la fin du cours, l'élève doit être en mesure de décider s'il ou elle désire poursuivre des études postsecondaires ou entrer dans le monde du travail.

Préalable recommandé : Cours de français de 10^e année ou une connaissance du français équivalente. Certains tests et brochures utilisés dans ce cours sont en anglais. Par conséquent, une connaissance de base de l'anglais est utile.

Manuel : Aucun

Ce cours s'adresse aux élèves qui n'ont pas besoin de suivre le cours Calcul infiniésimal pour être admis à l'université.

Il traite surtout de modèles mathématiques utilisés dans le cadre d'applications. En particulier, l'élève étudie la résolution de systèmes d'équations et d'inéquations, les permutations et les combinaisons, le théorème du binôme, les séries finies, les probabilités et les statistiques.

Préalable : Un cours de mathématiques de 1^{re} année de niveau avancé

Manuel : Aucun

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|--|--|--|--|---|--|
| Mathématiques Code du cours : MAT3A-6 | 11 ^e année | 1 / 2 crédit | Ce cours de dix leçons a été conçu pour faire suite au cours MAT3A-5. Les sujets traités incluent les mathématiques des investissements (intérêts et annuités) et les fonctions (par exemple, la fonction quadratique). Le format de ce cours est semblable à celui du cours MAT3A-5. L'utilisation de la calculatrice scientifique continue à être soulignée. | Prétable recommandé : MAT3A-5 ou l'équivalent | Manuel : Aucun |
| | Mathématiques Code du cours : MAT4A-5 | 12 ^e année | Ce cours de dix leçons te prépare aux cours préuniversitaires de l'Ontario (CPO) en mathématiques. Tu développeras des habiletés appliquées couramment dans d'autres disciplines, tu apprendras davantage comment te servir d'une calculatrice scientifique et tu amélioreras tes habiletés à résoudre des problèmes de géométrie et d'algèbre. | Les processus de création de modèles, de résolutions de problèmes et d'applications seront intégrés aux thèmes à l'étude : la trigonométrie; les transformations et les applications de fonctions trigonométriques; les exposants et les fonctions d'exposants; les fonctions logarithmiques; les relations de second degré; et une revue de la factorisation. | Prétable recommandé : MAT3A ou l'équivalent |
| Mathématiques Code du cours : MAT4A-6 | 12 ^e année | 1 / 2 crédit | Ce cours de dix leçons fait suite au cours MAT4A-5 et t'offre un demi-crédit additionnel en mathématiques de 12 ^e année, niveau avancé. Ce cours te prépare aux CPO en mathématiques tout en te permettant d'apprécier la structure générale des mathématiques et ses composantes. | Les sujets abordés comprennent : les polynômes et les équations; la valeur absolue; les radicaux; la congruence et le parallélisme; les figures simples; le cercle et ses propriétés; les statistiques. | |
| | Mathématiques Code du cours : MAG0A-0 | CPO | 1 crédit | Ce cours est destiné aux élèves ayant réussi le cours de mathématiques de 12 ^e année de niveau avancé ou son équivalent. Puisque ce cours s'adresse surtout aux élèves qui ont l'intention de faire des études universitaires, il importe que la matière soit étudiée en profondeur et avec rigueur. Voici quelques-uns des thèmes qui sont à l'étude : les matrices, les transformations, les nombres complexes, les vecteurs, l'espace à deux dimensions et l'espace à trois dimensions. | Ce cours fait appel à l'intuition de l'élève. On passe du concret à l'abstrait, du géométrique à l'analytique. Il prépare le passage du secondaire à l'université. |
| Cours préuniversitaires de l'Ontario (CPO) | Manuel : Aucun | Prétable recommandé : MAT4A-5 ou l'équivalent | Manuel : Aucun | Prétable : Un cours de mathématiques de 12 ^e année de niveau avancé | Manuel : Aucun |
| | Cours préuniversitaires de l'Ontario (CPO) | Manuel : Aucun | Manuel : Aucun | Manuel : Aucun | Manuel : Aucun |

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| Prétable recommandé : MTF2F-5 | Manuel : Aucun |
| Niveau général | |

Les cours du niveau général s'adressent à l'élève qui désire :

- acquérir une bonne formation générale en mathématiques;
- se préparer à un programme d'apprentissage ou de formation professionnelle.

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| Mathématiques | 10 ^e année |
| Code du cours : MAT2G-0 | 1 crédit |

Dans ce cours, l'élève fait usage de sa connaissance des fractions, de l'algèbre et des équations simples acquise précédemment.

Ce cours lui offre un exposé simple et illustre de graphiques et une analyse de certaines relations linéaires. L'élève étudie aussi les caractéristiques du triangle, du rectangle et du cercle ainsi que la surface et le volume du cylindre, du cône et de la sphère.

Les applications pratiques portent sur des objets concrets et des situations courantes.

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| Prétable recommandé : Mathématiques MAT1G ou l'équivalent | Manuel : Aucun |
| Mathématiques : les affaires et les consommateurs | |
| MTC3G-5 | 11 ^e année |
| 1/2 crédit | |

Ce cours de dix leçons a pour but de développer la compréhension des mathématiques utilisées dans certaines tâches telles que l'achat ou la vente, la surveillance et le contrôle de tes dépenses et de tes investissements, et le calcul des impôts sur le revenu. L'habileté dans l'usage de la calculatrice est développée et des exemples pratiques ainsi que des exercices avec solutions complètes sont présentés. Ce cours offre non seulement de l'aide pratique dans les mathématiques des affaires de tous les jours, mais te donne aussi l'arrière-plan nécessaire aux cours en études des affaires.

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| Mathématiques : les affaires et les consommateurs. | 11 ^e année |
| MTC3G-6 | 1/2 crédit |
| Désigné pour faire suite à MTC3G-5 et utilisant un format semblable, ce cours de dix leçons continue à mettre l'accent sur les mathématiques pratiques. L'habileté à se servir de la calculatrice est développée davantage. | |
| Prétable recommandé : MTC3G-5 | Manuel : Aucun |
| Niveau avancé | |

Les cours de niveau avancé s'adressent à l'élève qui désire :

- avoir la formation en mathématiques nécessaire pour entreprendre des études postsecondaires;
- approfondir ses connaissances en mathématiques, par intérêt personnel, en suivant des cours plus théoriques.

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| Mathématiques | 11 ^e année |
| Code du cours : MAT3A-5 | 1/2 crédit |
| Ce cours de dix leçons vise à te préparer pour les cours préuniversitaires de l'Ontario (CPO) en mathématiques. | |
| Chacune des leçons t'aidera à comprendre les principes des mathématiques et à développer tes compétences dans les habiletés de calculs les plus utilisées dans d'autres matières. | |

Chaque leçon comprend une série d'exemples ainsi que des exercices pratiques avec solutions complètes. Tu auras l'occasion d'apprendre à utiliser correctement une calculatrice scientifique par l'entremise d'exemples. Les habiletés de géométrie et d'algèbre développées dans les cours précédents seront consolidées au cours des dix leçons.

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| Prétable recommandé : MAT2A ou MTC3G | Manuel : Aucun |
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Prétable recommandé : MAT2G ou MAT2A

Les cours de mathématiques sont offerts aux trois niveaux de difficulté. L'élève peut se renseigner davantage en lisant la courte introduction que présente chacun des niveaux. L'élève doit s'inscrire au cours dont le niveau de difficulté semble répondre le mieux à ses besoins.

Niveau fondamental

Mathématiques - Travail et foyer
Code du cours : MTF1F-5

9^e année
1/2 crédit

Ce cours de dix leçons t'aidera à devenir plus certain(e) de toi-même en mathématiques. Soit donner des problèmes d'arithmétique et de géométrie deviendra plus facile. Tu apprendras à utiliser une calculatrice.

Dans la première partie de ce cours, tu te serviras de papier et de crayon pour faire des calculs avec décimaux et avec fractions. Tu mettras en pratique ce que tu viens d'apprendre, de sorte que tu finiras par te rendre compte que ces mathématiques sont utilisées pour établir des factures et des numéros de séries, pour calculer des salaires, et pour les opérations bancaires. En dernier lieu, tu apprendras à estimer les réponses à des problèmes afin de vérifier si les réponses obtenues avec la calculatrice sont bel et bien correctes.

Prétable recommandé : Aucun

Mathématiques - Travail et foyer
Code du cours : MTF1F-6

9^e année
1/2 crédit

Ce cours de dix leçons fait suite au cours MTF1F-5. Il te permet d'obtenir un deuxième demi-crédit en mathématiques de 9^e année, niveau fondamental.

Ce cours te sera utile si tu veux mieux réussir en mathématiques dans ta vie de tous les jours. Tu apprendras à dessiner et à lire des graphiques; à faire des diagrammes à l'échelle; à utiliser le système métrique; à calculer la distance autour

d'objets de différentes formes; à calculer la grandeur de la surface d'un objet; et à calculer la quantité qu'une boîte peut contenir. En outre, tu apprendras comment recueillir, enregistrer et organiser des statistiques obtenues à partir d'expériences, d'enquêtes et de sondages.

Prétable recommandé : Aucun

Mathématiques - Travail et foyer
Code du cours : MTF2F-5

10^e année
1/2 crédit

Ce cours te sera utile si tu as des difficultés en mathématiques et si tu désires améliorer tes habiletés de calculs qui font partie de la vie de tous les jours, à la maison et au travail.

Ce cours comprend dix leçons. Tu apprendras comment te servir des mathématiques dans les situations suivantes : comprendre ton chèque de paye lorsque tu te trouves un emploi; tenir ton compte de banque; déterminer les coûts d'achat et d'entretien d'une auto; calculer le coût des passe-temps, des vacances et des loisirs; et travailler à plein temps ou à temps partiel.

Prétable recommandé : MTF1F, MAT1G ou MAT1A

Manuel : Aucun

Mathématiques - Travail et foyer
Code du cours : MTF2F-6

10^e année
1/2 crédit

Ce cours de dix leçons fait suite au cours MTF2F-5. Il te permet d'obtenir un demi-crédit additionnel en mathématiques de 10^e année, niveau fondamental.

Les mathématiques de cette partie du cours sont utilisées dans des situations pratiques de tous les jours. Ces situations comprennent entre autres : louer ou acheter une maison; entretenir et réparer une maison; planifier un jardin; organiser une fin de semaine; lire la section des sports dans un journal; calculer le niveau de ton conditionnement ou de la bonne forme physique.

Niveau avancé

Le Canada et le monde d'aujourd'hui
Code du cours : HCV2A-5

10^e année 1 / 2 crédit

Ce cours obligatoire pour obtenir le diplôme d'études secondaires de l'Ontario (DES) vise à amener l'élève à mieux comprendre le rôle qui lui revient en tant que citoyen ou citoyenne franco-

phone du Canada et du monde, à prendre conscience de ses droits et responsabilités qui lui permettront d'agir en adulte libre et raisonnable.

Les thèmes à l'étude sont les suivants : le gouvernement et la loi, les Franco-Ontariens au XX^e siècle.

Prétable recommandé : Aucun
Manuel : Aucun

Le Canada et le monde d'aujourd'hui
Code du cours : HCV2A-6

10^e année 1 / 2 crédit

Ce cours fait suite au cours HCV2A-5. La première leçon fait une analyse du francophone dans son milieu. Les autres thèmes à l'étude sont les suivants : les relations canado-américaines, le Canada et le monde au XX^e siècle.

Prétable recommandé : Histoire HCV2A-5 ou l'équivalent

Manuel : Aucun

Cours préuniversitaires de l'Ontario

CPO

Le Canada, un pays en évolution
Code du cours : HCP0A-0

CPO 1 crédit

Dans ce cours, on propose à l'élève de retracer les principaux moments de l'histoire canadienne : l'établissement de la colonie, la fondation du pays et l'essor du Canada moderne. L'étude de l'évolution de son pays lui permettra de mieux comprendre la conjonction économique, politique et sociale du Canada actuel et l'encouragera à vouloir participer à l'épanouissement de son pays.

Études contemporaines

Cours préuniversitaires de l'Ontario (CPO)

Économie
Code du cours : HXE0A-0

CPO 1 crédit

Une bonne connaissance de l'économie est essentielle à la prise de décision. Ce cours sur le raisonnement économique permet de développer les connaissances et les habiletés nécessaires pour poser des jugements éclairés sur les problèmes économiques touchant notre pays, notre société et notre vie personnelle.

Le cours HXE0A-0 permet aussi de comprendre les événements, d'interpréter les débats et de discuter des théories qui influencent la vie en Ontario et au Canada dans une relation avec le monde entier.

Prétable recommandé : Au moins un cours en sciences sociales au cycle supérieur.

Savoir analyser un problème sous divers aspects,

pouvoir évaluer des interprétations ou des témoignages divergents, développer un sens critique et nuancé, voilà certains objectifs que nous visons. Le travail de recherche et l'examen font partie intégrale de ce cours.

Prétable : L'élève doit avoir réussi un cours de sciences sociales de niveau avancé au cycle supérieur pour être admissible à ce CPO.

Manuel : Aucun

Histoire

Niveau fondamental

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| Le Canada et le monde d'aujourd'hui | 10 ^e année |
| Code du cours : HCV2F-5 | 1 / 2 crédit |

Ce cours aidera l'élève à mieux comprendre ses droits et responsabilités en tant que citoyen ou citoyenne du Canada. En plus de l'étude du fonctionnement du gouvernement du Canada, voici d'autres thèmes à l'étude : la Première Guerre mondiale, le Canada entre les deux guerres mondiales, la Deuxième Guerre mondiale, la politique étrangère du Canada.

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| Préalable recommandé : Aucun | Manuel : Aucun |
| Matériel : L'élève devra avoir à sa disposition un magnétophone pour écouter les cassettes qui accompagnent ce cours. | |
| Le Canada et le monde d'aujourd'hui | Code du cours : HCV2F-6 |
| 10 ^e année | 1 / 2 crédit |

L'élève découvrira son identité franco-ontarienne dans la mosaïque multiculturelle du Canada face à l'influence américaine. De plus, l'élève comprendra que le Canada n'est pas un pays isolé mais qu'il a joué et continue à jouer un rôle important sur la scène internationale. Il est à espérer que l'étude de ces thèmes permettra à l'élève d'être plus fier ou fière de son pays et de mieux saisir la complexité du monde actuel.

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| Préalable recommandé : Histoire HCV2F-5 ou l'équivalent | Manuel : Aucun |
| Matériel : L'élève devra avoir à sa disposition un magnétophone pour écouter les cassettes qui accompagnent ce cours. | |
| Le Canada et le monde d'aujourd'hui | Code du cours : HCV2G-6 |
| 10 ^e année | 1 / 2 crédit |

Ce cours fait suite au cours HCV2G-5. Les thèmes principaux étudiés sont : l'organisation judiciaire du Canada; les rapports actuels du Canada avec les États-Unis et les autres pays; les perspectives d'avenir.

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| Préalable recommandé : Histoire HCV2G-5 ou l'équivalent | Manuel : Aucun |
| Matériel : L'élève devra avoir à sa disposition un magnétophone pour écouter les cassettes qui accompagnent ce cours. | |
| Le Canada et le monde d'aujourd'hui | Code du cours : HCV2G-5 |
| 10 ^e année | 1 / 2 crédit |

Niveau fondamental

Les cours de géographie au niveau fondamental visent les élèves qui désirent une ou plus des choses suivantes :

- apprendre à situer et à utiliser l'information de cartes, de graphiques ou de photographies;
- développer des habiletés en géographie qui seront utiles dans la vie quotidienne;
- améliorer les habiletés de lecture, d'écriture et d'écoute;
- apprendre davantage la géographie canadienne et la géographie mondiale.

Géographie - Canada
GCA2F-5

10^e année 1 / 2 crédit

Ce cours se veut une étude générale du Canada faite en poursuivant l'itinéraire d'une famille imaginaire.
L'élève apprend d'intéressants faits au sujet du Canada en étudiant des grands thèmes comme l'agriculture, les cartes routières et topographiques et la météorologie.
L'ensemble se base sur une approche concrète.

Préalable recommandé : Aucun

Manuel : Aucun

Géographie - Canada
GCA2F-6

10^e année 1 / 2 crédit

Ce cours de dix leçons amène l'élève à poursuivre sa découverte de la géographie canadienne tout en continuant sa randonnée avec sa famille imaginaire. Il ou elle visite plusieurs villes canadiennes pour y découvrir les industries et les commerces. C'est ainsi qu'il ou elle en apprend davantage sur l'acierie, la pêche et l'industrie minière.

Préalable recommandé : GCA2F-5

Manuel : Aucun

Français
Code du cours : FRA2A-5

10^e année

1 / 2 crédit

Ce cours s'adresse à l'élève du niveau avancé. L'élève développera son savoir-faire à partir des formes de discours suivantes : l'article de revue, l'article d'encyclopédie, la poésie, l'interview, l'entrevue d'emploi, le roman, l'exposé oral et le texte humoristique. Les notions grammaticales et syntaxiques sont intégrées à ces formes de discours.

Préalable recommandé : FRA1A ou l'équivalent

Manuels : Larousse de poche

Le petit Code

Gaudreault-Labrecque, Madeleine. *Gueule-de-loup*.

Matériel : L'élève devra avoir à sa disposition un magnétophone pour écouter et enregistrer des cassettes.

Français
Code du cours : FRA2A-6

10^e année

1 / 2 crédit

Ce cours s'adresse à l'élève de niveau avancé. Il est la suite du cours FRA2A-5. L'élève développera son savoir-faire à partir des formes de discours suivantes : le conte, le guide touristique, le texte d'opinion, la pièce de théâtre, les écrits biographiques et autobiographiques et le journal personnel. Les apprentissages grammaticaux et syntaxiques sont intégrés à l'étude de ces formes de discours.

Préalable recommandé : FRA2A-5 ou l'équivalent

Manuels : Larousse de poche

Le petit Code

Loranger, François. *Un si bel automne*.

Matériel : L'élève doit avoir à sa disposition un magnétophone pour écouter et enregistrer des cassettes.

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| Niveau avancé | Frangais Code du cours : FRA1A-5 | 9 ^e année | 1 / 2 crédit | <p>Ce cours s'adresse à l'élève qui a des aptitudes en frangais ou qui prévoit poursuivre des études universitaires.</p> <p>L'élève emploiera les formes orales et écrites, expressives et informatives. Les formes de discours suivantes seront étudiées : la directive, l'article de revue, le compte rendu de lecture, le compte rendu d'événements, la bande dessinée, la pièce de théâtre, la monographie, la lettre d'opinion et le récit fantaisiste. Les apprentissages grammaticaux et syntaxiques sont intégrés à l'étude de ces formes de discours.</p> <p>Préalable recommandé : Aucun</p> <p>Manuels : Larousse de poche <i>Le Petit Code</i> Dubé, Marcel. <i>Zone</i></p> <p>Matériel : L'élève devra avoir à sa disposition un magnétophone pour écouter et enregistrer des cassettes.</p> |
| | | 9 ^e année | 1 / 2 crédit | <p>Ce cours s'adresse à l'élève du niveau avancé. Il est la suite du cours FRA1A-5. Le roman, la poésie, l'annonce publicitaire, l'article d'encyclopédie, la chanson et le récit d'événements vécus sont les formes de discours privilégiées dans ce cours. Les notions grammaticales et syntaxiques sont présentées à travers ces formes de discours.</p> <p>Préalable recommandé : FRA1A-5 ou l'équivalent</p> <p>Manuels : Larousse de poche <i>Le Petit Code</i> Turcotte, Diane. <i>La piste de l'encre</i></p> <p>Matériel : L'élève devra avoir à sa disposition un magnétophone pour écouter et enregistrer des cassettes.</p> |
| Préalable recommandé : FRA2C-5 | Frangais Code du cours : FRA3G-0 | 1 ^{re} année | 1 crédit | <p>Ce cours se veut une étude essentiellement pratique de la langue. On étudie la grammaire par le biais de difficultés orthographiques. On introduit le vocabulaire nouveau au moyen de situations de la vie courante.</p> <p>Des exercices de rédaction de textes personnels, de comptes rendus et de résumés aident l'élève à choisir des expressions précises et à s'exprimer clairement. L'ensemble du cours vise à améliorer la lecture et la langue parlée.</p> <p>Préalable recommandé : Un cours de frangais de 10^e année, niveau général ou l'équivalent</p> <p>Manuels : Larousse de poche. Poulin, Jacques. <i>Les grandes mares.</i></p> |
| | | 12 ^e année | 1 crédit | <p>Ce cours se propose de revoir la nature et la fonction des mots afin de permettre à l'élève de différencier les divers genres de textes. On place l'accent sur l'étude de la phrase et de sa place dans le paragraphe. L'élève a l'occasion d'apprendre à bien utiliser les différentes propositions ainsi qu'à connaître l'emploi de quelques verbes irréguliers avec leurs particularités.</p> <p>Des exercices de vocabulaire et de stylistique viennent compléter l'étude de la matière de ce cours.</p> <p>Préalable recommandé : Frangais FRA3G ou l'équivalent</p> <p>Manuels : Larousse de poche. Martel, Suzanne. <i>Jeanne, fille du Roy.</i></p> |

Les cours de frangais sont offerts à deux niveaux : général et avancé. L'élève devrait lire la page 5 qui explique les niveaux de difficulté de cours.

Niveau général

Frangais
Code du cours : FRA1G-5

9^e année 1 / 2 crédit

Ce cours s'adresse à l'élève du niveau général. Les formes de discours présentées ont pour objectif un apprentissage pratique de la langue.

L'élève étudiera l'article informatif, des formes utilitaires (telles que le bon de commande et le chèque), le récit réaliste, le journal personnel, la chanson, le dépliant et la brochure ainsi que le roman.

L'apprentissage des habiletés linguistiques se fera à travers l'étude de ces formes de discours.

Prétable recommandé : Aucun

Manuels : Larousse de poche

Le petit Code

Germain, Doric. *La vengeance de l'original*

Matériel : L'élève devra avoir à sa disposition un magnétophone pour écouter des cassettes.

Frangais
Code du cours : FRA1G-6

9^e année 1 / 2 crédit

Ce cours s'adresse à l'élève du niveau général. Il poursuit l'approche entreprise avec le cours

FRA1G-5.

Les formes de discours étudiées sont les suivantes :

L' anecdote et le récit comique, le fait divers, la di-rective, la légende, le message incitatif, la pièce de théâtre, les petites annonces, le poème ludique et le bulletin de nouvelles. L'apprentissage des habiletés linguistiques se poursuit à travers l'étude de ces différentes formes de discours.

Prétable recommandé : FRA1G-5 ou l'équivalent

Manuels : Larousse de poche
Le petit Code
Matériel : L'élève devra avoir à sa disposition un magnétophone pour écouter et enregistrer des cassettes.

Frangais
Code du cours : FRA2G-5

10^e année 1 / 2 crédit

Ce cours s'adresse à l'élève du niveau général. Il favorise un apprentissage pratique de la langue.

Les formes de discours étudiées sont les suivantes : le message incitatif (les affiches et les annonces), le récit fantastique, des formes utilitaires (telles que l'abonnement et le formulaire d'adhésion), l'article d'encyclopédie, la pièce de théâtre, la chanson, l'exposé oral, la nouvelle littéraire et la bande dessinée.

L'apprentissage de la grammaire et de la syntaxe se fait en même temps que l'étude des formes de discours.

Prétable recommandé : Un cours de frangais de

9^e année, niveau général ou avancé ou l'équivalent.

Manuels : Larousse de poche

Le petit Code

Matériel : L'élève devra avoir à sa disposition un magnétophone pour écouter et enregistrer des cassettes.

Frangais
Code de cours : FRA2G-6

10^e année 1 / 2 crédit

Ce cours s'adresse à l'élève de niveau général. Il fait suite au cours FRA2G-5.

Voici les formes de discours étudiées : l'interview, les formes utilitaires (les tableaux), le roman, le feuillelet touristique, le texte d'opinion, l'annonce publicitaire et la poésie. L'acquisition des connaissances grammaticales et syntaxiques se poursuit à travers l'étude de ces formes de dis-cours.

Niveau général

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| Dessin industriel | Code du cours : TDG2G-0 |
| 10 ^e année | 1 crédit |

Ce cours permet à l'élève de dessiner des objets rectangulaires ou cylindriques simples. Il porte sur la lecture des plans, la manipulation d'instruments de base, les techniques du croquis et du dessin industriel, le lettrage, la construction de figures géométriques, les projections orthogonales (représentations de la face, du dessus et du côté d'un objet). L'élève apprend comment indiquer les mesures (cotation) d'un objet et comment tracer des pointillés. Le cours se termine par l'étude des vues en coupe et du dessin figuratif (la représentation de façon ressemblante des formes d'un objet).

Préable recommandé : Aucun

Manuel : Aucun

Matériel requis : L'élève doit se procurer une trousses d'instruments (achat : environ 62 \$; location : 7 \$ par mois). Il ou elle trouvera plus de détails à ce sujet dans la première leçon.

Dessin d'architecture
Code du cours : TDA3G-5

| | |
|-----------------------|------------|
| 11 ^e année | 1/2 crédit |
|-----------------------|------------|

Ce cours utilise la même approche que le cours TDC3G-5, mais les dessins sont plus spécialisés. On s'initie au dessin d'une maison de la fondation jusqu'au toit. Les notions présentées visent aussi à faciliter l'achat, l'entretien et la rénovation d'une maison.

Préable recommandé : TDC2G-0 ou TDC3G-5

ou l'équivalent.

Manuel : Aucun

Matériel requis : L'élève doit se procurer une trousses d'instruments (achat : environ 62 \$; location : 7 \$ par mois). Il ou elle trouvera plus de détails à ce sujet dans la première leçon.

Dessin industriel
Code du cours : TDC3G-5

| | |
|-----------------------|------------|
| 11 ^e année | 1/2 crédit |
|-----------------------|------------|

Ce cours de dessin industriel général est la suite du cours TDC2G-0 ou de son équivalent. On commence par une revue de la projection orthogonale et de la cotation des dessins. On revoit les différentes sortes de coupes et leur représentation sur dessin. L'élève apprend à tracer des cercles en isométrie et à utiliser des vues auxiliaires. Il ou elle étudie les détails fondamentaux des filets et leurs applications aux pièces de liaison filetées. On voit le degré de précision avec lequel les pièces sont fabriquées. On examine les principales méthodes de développement. L'élève s'initie à la projection oblique ainsi qu'aux perspectives à un et à deux points de fuite.

Préable recommandé : Dessin industriel TDC2G-0 ou l'équivalent.

Manuel : Aucun

Matériel requis : L'élève doit se procurer une trousses d'instruments (achat : environ 62 \$; location : 7 \$ par mois). Il ou elle trouvera plus de détails à ce sujet dans la première leçon.

Dessin mécanique
Code du cours : TDM3G-5

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|-----------------------|------------|
| 11 ^e année | 1/2 crédit |
|-----------------------|------------|

Ce cours se rattache logiquement aux notions présentées dans TDC3G-5 mais les dessins y sont plus spécialisés. On y étudie, entre autres, les vues auxiliaires secondaires, les camés, les engrenages, les dessins d'assemblage, les illustrations figuratives, les poinçons et matrices.

Préable recommandé : TDC2G-0 ou TDC3G-5

ou l'équivalent.

Matériel requis : L'élève doit se procurer une trousses d'instruments (achat : environ 62 \$; location : 7 \$ par mois). Il ou elle trouvera plus de détails à ce sujet dans la première leçon du cours.

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| Niveau général | |
| Initiation à l'informatique | |
| Code du cours : IIN2G-5 | |
| 10 ^e année | 1 / 2 crédit |
| Ce cours permet à l'élève de découvrir l'ordinateur : sa nature, ses composantes, son fonctionnement et ses possibilités. Les effets de l'ordinateur sur la société et la place qu'il y occupe sont aussi abordés. | |
| Dans chacune des leçons, l'élève utilise l'ordinateur en écrivant de courts programmes. | |
| Préalable recommandé : Aucun | |
| Manuel : Aucun | |
| Matériel : L'élève doit avoir à sa disposition un ordinateur ICON avec un lecteur de disque rigide et une imprimante. Généralement, on retrouve des ordinateurs ICON auprès des conseils scolaires, des écoles, des bibliothèques municipales et des points d'accès de Contact-Nord. | |

Cours préuniversitaires de l'Ontario (CPO)

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|---------|-------------------------|
| English | Code du cours : EAL0A-0 |
| CPO | 1 crédit |

Ce CPO est pour toi qui désires poursuivre des études postsecondaires, qui te prépares à oeuvrer dans le monde du travail ou qui cherches à parfaire des habiletés poussées de langue anglaise pour ton développement personnel.

Ce cours te permettra d'établir des habiletés de base solides en communication dans toutes ses composantes : l'identification des structures de la pensée et leur usage; la pratique des techniques pour l'élaboration d'un projet de recherche d'envergure; la planification des démarches appropriées pour la rédaction de textes; la présentation de travaux oraux et la démarche à suivre pour faire ressortir le fond et la forme de différentes lectures. La composante audio a aussi une large part.

Il y a des exigences minimales que tu dois rencontrer pour obtenir ce crédit. La note finale est calculée selon le barème suivant :

- l'examen final 30%
- le dossier d'écriture 30%
- les études personnelles 20%
- les travaux dans les leçons 20%

Préalable : un cours de niveau avancé du cycle supérieur

Manuels : *Gage Senior English Dictionary*.

Abrams, M. H. *A Glossary of Literary Terms*. 5th ed. Shaw, H. *The McGraw-Hill Handbook of English*. 4th Canadian ed.
 Laurence, Margaret. *A Bird in the House*.
Matériel : Tu dois avoir à ta disposition un magnétophone pour écouter et enregistrer des cassettes.

Des travaux oraux d'ordre pratique présentés sur cassette audio sont exigés. Aux devoirs écrits s'ajoutent une collection de rédactions dirigées qui puissent dans ton expérience de vie.

Préalable recommandé : Aucun

Manuels : *The Globe Modern Dictionary*.
Collins Paperback Thesaurus in A to Z form

Matériel : Tu dois avoir à ta disposition un magnétophone pour écouter et enregistrer des cassettes.

English
Code du cours : EAE2G-6

10^e année 1/2 crédit

Ce cours poursuit l'approche entreprise avec le cours EAE2G-5. L'aspect littéraire touche principalement l'étude d'un roman. Beaucoup d'habiletés de vie qui s'y rattachent sont abordées; par exemple, la rédaction de divers rapports, l'élaboration d'un discours persuasif sur un sujet controversé, la survie en forêt, et la résolution de problèmes personnels et interpersonnels.

Tu pourras aussi pratiquer différentes techniques de lecture et évaluer la communication d'idées par l'expression corporelle et par divers symboles. Tu pourras étudier l'impact de la publicité et des stéréotypes dans les médias.

Les éléments de grammaire sont étudiés en contexte. Les cassettes audio te favorisent l'écoute de l'anglais, et te servent de modèle dans tes propres présentations orales sur cassette audio.

Préalable recommandé : le cours EAE2G-5 ou l'équivalent

Manuels : *The Globe Modern Dictionary*.
Collins Paperback Thesaurus in A to Z form
 Bell, William. *Crabbe*.

Matériel : Tu dois avoir à ta disposition un magnétophone pour écouter et enregistrer des cassettes.

Niveau fondamental

English
Code du cours : EAE1F-5
9^e année
1 / 2 crédit

Ce cours t'offre les bases essentielles de la langue anglaise. Quelques éléments de grammaire se retrouvent dans chaque leçon.

Chaque leçon est axée sur un thème ou une habileté de vie : l'usage du dictionnaire, la lecture d'une carte géographique et des signes routiers, l'usage du téléphone, la sélection d'un emploi et la demande d'emploi, le maintien de la santé avec la saine alimentation et l'usage des médicaments, l'achat et l'entretien d'une auto. Ainsi, le vocabulaire, les lectures et les exercices, tous sont prévus pour l'application immédiate dans ta vie quotidienne.

La leçon en son entier est sur cassette audio. Un cahier d'exercices accompagne chaque leçon. À plusieurs reprises tu auras à rendre un travail sur cassette audio.

Tout ce cours s'enseigne en anglais. De nombreux diagrammes, tableaux, illustrations et tes deux dictionnaires sont là pour t'aider.

Prétable recommandé : Aucun

Manuels : *Dictionnaire de l'Anglais d'aujourd'hui. The Puffin Canadian Beginner's Dictionary.*

Matériel : L'élève doit avoir à sa disposition un magnétophone pour écouter et enregistrer des cassettes.

English
Code du cours : EAE1F-6
9^e année
1 / 2 crédit

Ce cours poursuit l'approche entreprise avec le cours EAE1F-5. Les habiletés de vie en font toujours une bonne part.

Niveau général

English
Code du cours : EAE2G-5
10^e année
1 / 2 crédit

Matériel : Tu dois avoir à ta disposition un magnétophone pour écouter et enregistrer des cassettes.

Manuels : *Dictionnaire de l'Anglais d'aujourd'hui. The Puffin Canadian Beginner's Dictionary.*
Kropp, Paul. *Jo's Search.*

Prétable recommandé : EAE1F-5 ou l'équivalent cassette audio.
Le roman ainsi que tout le cours sont sur cassette audio. Tu devras t'exprimer régulièrement sur nombreux résumés te serviront d'aide-mémoire. seront expliquées avant chaque chapitre et de d'attaquer un roman de quelques soixante-quinze pages. Les expressions particulières à l'anglais te Tes habiletés nouvelles te permettront même

Certains thèmes à l'étude sont : faire l'épicerie, l'achat et l'entretien des vêtements, les finances personnelles, le journal et ses sources d'information. La grammaire et le vocabulaire sont intégrés aux lectures et aux rédactions.

Ce cours s'adresse à toi qui a déjà les bases de la langue anglaise et qui se dirige vers le collège communautaire ou le marché du travail.
L'aspect littéraire du cours touche aux éléments de la narration et de la description dans la nouvelle, la pièce, la chanson et la poésie. Une partie de ces oeuvres sont sur cassette audio. Les éléments de l'exposition se retrouvent dans le paragraphe, l'éditorial, le carnet de travail et l'article de journal.
Parmi les habiletés de vie, tu retrouves les différentes sortes de lettres, la résolution de problèmes au travail et les messages téléphoniques efficaces. Seules les notions de grammaire qui empêchent une communication claire et correcte sont abordées.

Initiation aux affaires

Niveau fondamental

Initiation aux affaires
Code du cours : CPIIF-5
9^e année
1 / 2 crédit

Savais-tu qu'en tant que consommateur ou consommatrice tu exercez une influence sur le monde des affaires? Savais-tu également que, dans ton travail quotidien, tu as aussi un impact sur ce monde des affaires? Ce cours te montrera de quelle manière tu peux aider à façonner la place du marché par l'entremise des biens que tu achètes ou n'achètes pas et des travaux que tu accomplis dans le monde des affaires. Tu deviendras plus conscient(e) du rôle du gouvernement face à la protection du consommateur contre les pratiques injustes dans le domaine des affaires. Après avoir complété ce cours, tu peux t'inscrire au cours CPIIF-6 afin de compléter un plein crédit en «Initiation aux affaires».

Préalable recommandé : Aucun
Matériel : Aucun

Initiation aux affaires
Code du cours : CPIIF-6
9^e année
1 / 2 crédit

Voudrais-tu connaître quelles sortes d'emplois sont disponibles sur le marché du travail? Es-tu intéressé(e) à apprendre comment planifier une carrière dans le monde des affaires? Ce cours complète le cours CPIIF-5 et te renseigne sur une variété d'emplois différents tels que le droit, la tenue de dossiers, les services de bureau, la technique de mise en vente ou marchandisage, et le traitement de l'information. Il te fournit l'occasion de pratiquer certaines tâches fondamentales associées à chacun de ces emplois. En outre, tu pourras apprendre à planifier une carrière dans ce monde des affaires et t'informer des divers services que les institutions financières telles que les banques et les caisses populaires offrent aux commerces et aux individus.

Préalable recommandé : Aucun
Manuel : Aucun

Deuxième partie

Description des cours du palier secondaire

Cours inspirés des programmes-cadres

Tous les cours par correspondance offerts par le Centre d'études indépendantes ont été élaborés conformément aux programmes-cadres du ministère de l'Éducation de l'Ontario.

Remarque. — Le Centre d'études indépendantes a mis sur pied des projets pour accélérer la création de nouveaux cours s'adressant aux francophones. D'ici quelques années nous augmenterons considérablement le nombre de nouveaux cours. À mesure que ces cours seront mis en circulation, le CBI en avertira sa clientèle.

Affaires et commerce

Comptabilité

Le programme de comptabilité initie les élèves aux principes fondamentaux de la comptabilité, à la terminologie comptable acceptée et aux méthodes généralement utilisées pour la tenue de livres comptables exacts, essentiels à toute activité économique et commerciale. L'étude de la comptabilité peut aider les particuliers à tenir des registres personnels justes, ouvrir des portes dans des domaines professionnels liés à la comptabilité ou mener à une carrière dans une profession comptable. C'est aussi une formation précieuse pour toute personne qui travaille à son compte.

Niveau avancé

Comptabilité
Code du cours : COM3A-0
1^{re} année 1 crédit

Ce cours se veut une introduction à la comptabilité. L'élève étudie le cycle comptable d'une entreprise de service. Il ou elle prépare le bilan; le journal général avec les écritures d'ouverture courantes et de fermeture; le grand livre; la balance de vérification et l'état des revenus et dépenses. L'élève interprète les données et analyse les rapports financiers d'une entreprise. Il ou elle se familiarise avec les journaux auxiliaires et découvre les carrières liées au domaine de la comptabilité.

Cours préuniversitaires (CPO)

Comptabilité
Code du cours : COM0A-0
CPO 1 crédit

Préalable recommandé : Mathématiques de 10^e année ou l'équivalent

Manuel : Aucun

Ce cours est le préalable au cours préuniversitaire COM0A-0

Dans ce cours, l'élève apprend à organiser et à analyser des informations, à interpréter les résultats de l'analyse et à prendre des décisions fondées sur cette interprétation, à préparer des comptes rendus écrits, à interpréter les rapports annuels des entreprises et à en dégager les principes comptables, à se préparer aux études postsecondaires en comptabilité financière par l'acquisition de bases théoriques solides.

Préalable : COM3A-0 ou l'équivalent

Manuel : Meigs, Meigs, Sylvain et MacMahon. La comptabilité : un instrument nécessaire à la prise de décisions.

Description des cours

| | |
|---|----|
| Affaires et commerce | 11 |
| Anglais | 13 |
| Études informatiques | 15 |
| Études technologiques | 16 |
| Français | 17 |
| Géographie | 20 |
| Histoire et études contemporaines | 21 |
| Mathématiques | 23 |
| Orientation | 27 |
| Préparation à la vie | 28 |
| Sciences | 30 |

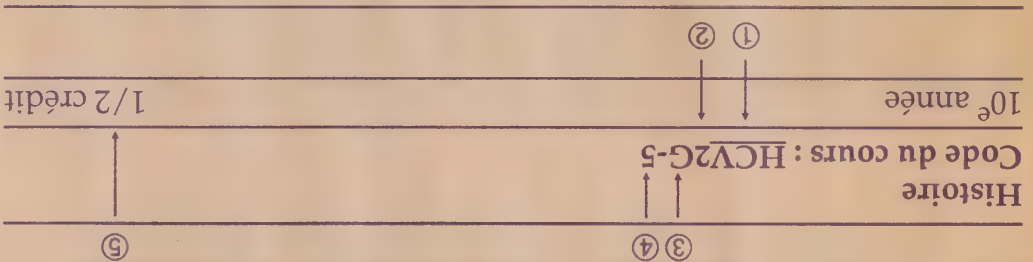
Deuxième partie

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Codes des cours et crédits

Toutes les écoles utilisent des codes uniformisés de cinq caractères pour désigner chaque cours. Le CBI utilise un sixième caractère pour indiquer le numéro d'édition.

Un exemple de code de cours extrait de la description des cours vous aidera à mieux comprendre ce code et la valeur en crédits d'un cours.



- ① Les trois premiers caractères sont des lettres. Ils indiquent la matière du cours.
- ② Le quatrième caractère est un chiffre qui indique l'année d'études.
- 1 - 9^e année
2 - 10^e année
3 - 11^e année
4 - 12^e année
0 - Cours préuniversitaire de l'Ontario (CPO)
- HCV2G-5 est un cours de 10^e année.

- ③ Le cinquième caractère est une lettre qui indique le niveau de difficulté du cours.
- F - niveau fondamental
G - niveau général
A - niveau avancé
- HCV2G-5 est un cours de niveau général.

- ④ Le sixième caractère est un chiffre qui indique l'édition du cours. HCV2G-5 est la première moitié du cours d'histoire de 10^e année. Il précède le cours HCV2G-6.

Les adultes peuvent se voir accorder des équivalences de crédits en vue de l'obtention du diplôme d'études secondaires de l'Ontario (DESO).
Pour plus de renseignements, voir le *Guide de l'élève*.

- ⑤ Chaque cours du CBI vaut un crédit, un demi-crédit ou un quart de crédit. Ainsi, chaque fois que vous terminez un cours avec succès, vous obtenez un crédit, un demi-crédit ou un quart de crédit.
- Un cours d'un crédit comporte vingt leçons. Un cours d'un demi-crédit comporte dix leçons et un cours d'un quart de crédit comporte cinq leçons.
- HCV2G-5 est un cours de dix leçons qui vaut un demi-crédit.
- Pour savoir comment les crédits s'accumulent pour donner droit au DESO, voir le *Guide de l'élève*.

Comment faire votre première demande d'inscription

Les renseignements qui suivent ne s'appliquent qu'aux cours à crédits.

1. Remplissez le bon formulaire. Pour la plupart des adultes, il s'agit du formulaire C (jaune).
2. Répondez avec soin à toutes les questions du formulaire. Vous pouvez vous référer à la présente brochure, au besoin.

3. Indiquez à l'endroit approprié du formulaire le cours que vous avez choisi. Mentionnez également un deuxième cours, au cas où le Centre ne pourrait vous offrir le cours que vous avez choisi en premier lieu. Au début, vous ne pourrez vous inscrire qu'à un seul cours. Après avoir reçu les résultats des cinq premières leçons de ce premier cours, vous pourrez demander à vous inscrire à un deuxième cours en téléphorquant au CFI.

4. Inscrivez correctement le code du cours. Voir la section «Codes des cours et crédits» qui suit.
5. N'oubliez pas de signer le formulaire.
6. Envoyez par la poste ou apportez votre demande au Centre d'études indépendantes (voir les adresses à la page 1 de ce guide).

Si vous avez été inscrit(e) à un cours du CFI dans le passé et que vous désirez vous inscrire à nouveau, veuillez communiquer avec le CFI pour savoir comment procéder.

Quelle est la tâche de l'enseignant ou de l'enseignante?

L'enseignant ou l'enseignante corrige vos devoirs et les note. Il ou elle inscrit ses remarques et ses suggestions sur vos devoirs et vous les renvoie directement. Quand on vous aura retourné vos devoirs, étudiez toutes ces observations car elles vous aideront dans l'étude des autres leçons.

Que peut-on faire si on ne comprend pas quelque chose?

Les lundi et jeudi soirs, aux heures prévues, vous pouvez appeler le CBI sans frais. Une personne compétente pourra vous aider à résoudre vos difficultés. Au moment de votre inscription, vous recevrez les renseignements nécessaires au sujet de ce service de télé-tutorat.

Points à prendre en considération

- Un cours d'un crédit représente l'équivalent de cent vingt heures de travail (soixante heures pour un cours d'un demi-crédit). Pensez-vous avoir le temps nécessaire?
- Si vous pensez pouvoir terminer une leçon par semaine (six à dix heures de travail), il vous faudra environ six mois pour un cours de vingt leçons. Cela vous paraît-il trop long?
- Quand vous avez terminé une leçon, vous envoyez vos devoirs par la poste à l'enseignant ou à l'enseignante chargé(e) de les corriger, et vous commencez la leçon suivante. Vous ne recevrez les résultats de votre travail et les observations de l'enseignant ou de l'enseignante que plusieurs jours plus tard. Ce délai vous ennuit-il?
- Vos activités quotidiennes vous laissent-elles assez d'énergie pour étudier?
- Il est bon de prendre l'habitude d'étudier de façon régulière. Pensez-vous pouvoir réserver à vos cours par correspondance des périodes de temps régulières?
- Il y a d'autres façons de faire des études. Avez-vous pensé aux cours offerts le jour ou le soir dans les écoles secondaires ou aux programmes d'éducation permanente?
- Pour faire des études indépendantes, il faut pouvoir travailler seul(e). En êtes-vous capable?

Niveaux de difficulté

Les cours du palier secondaire sont offerts à trois niveaux de difficulté. Lorsque vous choisissez un cours du CBI, vous devez décider à quel niveau de difficulté vous pourrez le suivre.

• Niveau fondamental

Avez-vous abandonné l'école avant la neuvième année? Êtes-vous inscrit(e) à des cours de niveau fondamental à l'école secondaire? Dans ces deux cas, vous voudrez peut-être commencer par des cours de ce niveau. Cela vous permettra de vous rattraper dans certaines matières et d'acquérir des connaissances pratiques et générales. Ces cours vous prépareront à un emploi ou à l'apprentissage d'un métier. Mais sachez que les élèves qui veulent poursuivre des études postsecondaires doivent s'inscrire à des cours de niveau général ou avancé.

• Niveau général

Ces cours préparent à un emploi. Ils préparent aussi à des études dans un collège d'arts appliqués et de technologie ou dans un autre établissement d'enseignement non universitaire.

• Niveau avancé

Ces cours préparent les élèves à l'université et à certains programmes de collèges d'arts appliqués et de technologie. Les cours de ce niveau sont les plus exigeants.

Quel est le niveau de difficulté du cours qui vous intéresse? Il est parfois difficile de passer d'un cours de niveau fondamental à un cours de niveau général, ou d'un cours de niveau avancé. Pour suivre un cours à un niveau plus avancé, vous aurez peut-être besoin de suivre des cours additionnels. Les orienteurs du CBI se feront un plaisir de répondre à vos questions à ce sujet.

Le niveau de difficulté des cours est indiqué clairement. Voyez les descriptions de cours à partir de la page 11.

Comment choisir votre premier cours

Première partie Renseignements généraux

Les études indépendantes, est-ce pour vous?

Services offerts par le CBI

Cours gratuits

- Si vous êtes résident de l'Ontario vous pouvez vous inscrire gratuitement à un cours du CBI.

- Les leçons, les manuels et presque tout le matériel vous sont prêtés. Vous les renvoyez dès que vous avez fini votre cours ou que vous décidez de l'abandonner.

- Pour la plupart des cours, vous n'aurez à payer que les frais de poste pour envoyer vos travaux à votre enseignant ou à votre enseignante.

Des enseignants qualifiés

- Vos devoirs sont corrigés sans frais par un enseignant ou une enseignante qualifiée(e). Il ou elle vous aide et vous suit dans vos efforts.

Orientation

- Le CBI met à votre service des orienteurs qui peuvent vous aider à choisir vos cours.
- Les orienteurs peuvent vous aider à planifier vos études.

- Vous n'avez qu'à téléphoner, écrire ou vous présenter à nos bureaux. Les numéros de téléphone et l'adresse sont indiqués à la page 1 de la présente brochure.

Quel avantage y a-t-il à faire des études indépendantes?

- Vous étudiez quand vous le voulez et où vous le voulez.

- Vous pouvez entreprendre ou terminer un cours à n'importe quel moment de l'année.
- Vous pouvez prendre le temps qu'il vous faut pour faire vos devoirs.

- Vous pouvez choisir les matières qui conviennent le mieux à vos projets de carrière, à vos besoins et à vos aptitudes.

- Vos rapports avec l'enseignant ou l'enseignante sont personnels et confidentiels.

- La plupart des cours donnent droit à un crédit ou à un demi-crédit en vue de l'obtention du diplôme d'études secondaires de l'Ontario (DESO).

Les études indépendantes répondront-elles à vos besoins?

Voici les réponses à des questions que vous pourriez vous poser.

Pourquoi suit-on les cours du CBI?

Un ou une élève du CBI suivra des cours :

- pour améliorer ses connaissances de base;
- pour obtenir le DESO;
- pour se préparer à entrer dans un collège ou une université;
- pour poursuivre un intérêt dans une matière particulière;
- et pour bien d'autres raisons.

Comment fait-on une leçon?

Vous commencez par lire et étudier la leçon. Chaque leçon comporte des devoirs. Lorsque vous faites vos devoirs et vous les envoyez à votre enseignant ou enseignante (on vous aura donné son nom lors de l'inscription).

Y a-t-il des dates limites?

Vous travaillez à votre propre rythme, selon le temps libre que vous laissez votre emploi, vos responsabilités familiales ou vos autres occupations. Quoi qu'il en soit, vous devriez tout de même envoyer vos devoirs régulièrement. Cela vous permettra de mieux retenir ce que vous avez appris dans les leçons précédentes.

Première partie

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Important

Veillez lire ce guide avant de faire votre demande d'inscription à un cours du Centre d'études indépendantes (CEI). Le personnel du CEI est prêt à vous aider, mais il vous appartient de bien choisir vos cours.

Si vous voulez obtenir plus de renseignements sur les services décrits dans ce guide, vous pouvez téléphoner, écrire ou vous présenter au :

Centre d'études indépendantes

2141, boul. Lasalle

Sudbury (Ontario)

P3A 2A3

Dans la région de Sudbury, composez le

(705) 688-3045.

Dans les autres régions de l'Ontario, composez

sans frais le 1-800-461-6257.

Le numéro du télécopieur est le (705) 688-3050.

ou au :

Centre d'études indépendantes

909, rue Yonge

Toronto (Ontario)

M4W 3G2

Dans la région de Toronto, composez le

(416) 965-1231.

Dans les autres régions de l'Ontario, composez

sans frais le 1-800-461-6257.

Le numéro du télécopieur est le (705) 688-3050.

Heures d'ouverture :

8 h 30 à 17 h

(du lundi au vendredi)

Tous les services sont offerts dans les deux langues officielles à Sudbury et à Toronto.



Annuaire 1990-91

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| <i>Première partie</i> - Renseignements généraux | |
| Les études indépendantes, est-ce pour vous? | 4 |
| Comment choisir votre premier cours | 5 |
| Comment faire votre première demande d'inscription | 6 |
| <i>Deuxième partie</i> - Description des cours du palier secondaire | 11 |
| <i>Troisième partie</i> - Description de cours sans valeur de crédit | 34 |

Guide de l'élève 1990-91

- Les renseignements suivants se trouvent dans le *Guide de l'élève 1990-91* du CEI :
- Services à la communauté
 - Vente de matériel didactique
 - Brochures du CEI
 - Conditions d'admission
 - Les adultes
 - Les élèves âgés de moins de seize ans
 - Les élèves d'une école secondaire de jour
 - Les personnes temporairement absentes de la province
 - Accès à l'information et protection de la vie privée
 - Renseignements sur les certificats, les examens, les relevés de notes et le diplôme d'études secondaires de l'Ontario.

Le Centre d'études indépendantes est l'un des organismes d'enseignement les plus importants au Canada. Le Centre, qui relève du ministère de l'Éducation de l'Ontario, offre des cours gratuits aux résidents de l'Ontario qui souhaitent accumuler les crédits nécessaires afin d'obtenir le diplôme d'études secondaires de l'Ontario, améliorer leurs connaissances de base ou étudier pour le plaisir, et ce, tout en demeurant à la maison.



Annuaire 1990-1991

